EMPLOYMENT PROFILE

MAY 1989 GRADUATES OF ONTARIO COLLEGES OF APPLIED ARTS AND TECHNOLOGY

Ontario
Ministry of
Colleges and
Universities

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EMPLOYMENT PROFILE OF

MAY 1989 GRADUATES OF ONTARIO COLLEGES

OF APPLIED ARTS AND TECHNOLOGY

This report provides a snapshot picture of the employment experience of college graduates six months after graduation. It is based on the graduate employment survey undertaken jointly by the Ministry of Colleges and Universities and the Career Planning and Placement Staff of the Colleges of Applied Arts and Technology in Ontario.

College Affairs Branch
Ministry of Colleges and Universities
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FOREWORD

This employment profile of Ontario college graduates summarizes the employment experience of May 1989 graduates approximately six months after graduation. The report is based on the findings of the Graduate Employment Survey conducted by the 22 Colleges of Applied Arts and Technology in Ontario during November 1989. At that time, La Cité collegiale had not begun operations.

The survey provides data on the graduates' employment status, earnings, industry of employment, and occupation and on the relationship of the graduates' occupation to their training. It should be noted that the results of the survey apply to a period of only one week, whereas the situation of graduates could well change over time.

The survey results provide useful information to students who are making career choices and program selections, to counsellors who work with and advise students, and to college administrators who make programming decisions in response to the changing needs of the labour market. It can also serve as a useful tool to employers in their recruitment efforts. Finally, it assists the Ministry of Colleges and Universities in program analysis and policy development.

The co-operation of graduates in responding to the Graduate Employment Survey helped to develop a useful source of labour market information that will facilitate the improvement of training programs and help counsellors, educators, and administrators in their work. The career-planning and placement staff of the individual colleges conducted the survey of their graduates and submitted the data to the Ministry of Colleges and Universities. Ministry staff compiled and consolidated data from the 22 colleges. This report was prepared by Brinda Murti, Ministry of Colleges and Universities.

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HIGHLIGHTS

Employment Outcomes

- In November 1989 (six months after graduation), 92.8 per cent of the postsecondary college graduates in the labour force were working; only 7.2 per cent were still looking for work. The proportion of graduates in the labour force employed full-time was 82.6 per cent; 10.2 per cent were in part-time jobs. Overall, 72.9 per cent of the graduates in the labour force reported having full-time jobs in their field of study, while 9.7 per cent were in jobs that did not utilize the skills and knowledge they had acquired through their training programs.

- The employment rate for female graduates was 93.3 per cent, while that for males was 91.9 per cent.

- The employment outcomes of college graduates varied, depending on the program area. A comparison of the employment rates and the proportion of graduates in the labour force employed full-time in related jobs by program area is given in the following table:

Program Areas	Percentage Working Full-Time in Related Jobs	Percentage Working Full-Time	Percentage Working
Health Technology	77.9	81.8	95.2
Nursing and Related	77.4	78.1	98.4
Technology	77.3	87.1	91.6
Office and Business Administration	74.7	85.4	92.3
Hospitality	73.7	81.6	93.9
Visual and Creative Arts	67.5	82.1	91.7
Social Services	66.1	77.2	91.6

Annual Earnings of Graduates

- At the time of the survey, college graduates reported an average annual starting salary of $21,978.

- The average annual starting salary for female graduates was $21,300, and that for males was $23,069.

- There was a wide variation in the earnings of graduates by program areas. Graduates who earned above-average salaries had been enrolled in the following program areas: Nursing and Related ($30,323), Health Technology ($24,843), and Technology ($23,404).

Industry Sectors

- More than half the employed college graduates were working in the Service Industries which includes Health and Social Services Industries (30 per cent), Business Services Industries (12 per cent), Accommodation, Food, Beverage and Other Service Industries (8 per cent), and Education Service Industries (2 per cent).

- The Manufacturing Sector hired 11 per cent of the employed graduates, followed by Wholesale and Retail Trade (10 per cent) and Public Administration (9 per cent).

Occupations

- Almost half of the employed college graduates worked in professional support occupations in Medicine and Health (16.6 per cent), Natural Sciences and Engineering (9.6 per cent), Social Sciences (8.6 per cent), Teaching and Related (6.3 per cent), and Artistic, Literary, Performing Arts and Sports and Recreation (6.1 per cent).

- One in five of the graduates who had a job at the time of the survey was working in a clerical occupation. Fifteen per cent of the employed graduates were engaged in Sales or Service occupations.

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USER'S GUIDE

To assist the reader, this section provides definitions of terms and an explanation of the tables presented in the report.

I. DEFINITIONS OF TERMS

Labour Force: Persons who were employed or unemployed but were looking for work during the reference week.

Reference Week: The week in which the Graduate Employment Survey was conducted. (November 5-11, 1989)

Employed: Persons who, during the reference week, did any work at all, whether:

- full-time or part-time
- salaried or self-employed
- permanent or temporary
- related or unrelated to the program of study

Full-time Employment: At least 30 hours of work per week, or less than 30 hours per week if considered full-time employment in a particular field.

Part-time Employment: less than 30 hours of work per week.

Unemployed: Persons who, during the reference week, were without work but were looking for work.

Not in the Labour Force: Persons who, during the reference week, were neither employed nor unemployed. It includes those attending school full-time, travelling, or staying home for health reasons or because of family responsibilities.

Participation Rate: The labour force expressed as a percentage of the population in the survey.

Employment Rate: The number of employed persons expressed as a percentage of the labour force.

Unemployment Rate: The number of unemployed persons expressed as a percentage of the labour force.

II. EXPLANATION OF TABLES BY PROGRAM

This section provides an explanation of the tables on employment picture of college graduates by program area presented in Chapter II.

(1)	(2) Total in the Survey		(3) Grads. in the Labour Force		(4)	(5)	(6)	(7)
Total Grads	#	%	%	#	Per cent Working	Per cent Working Full-Time	Per cent Working Full-Time in Related Job	Average Annual Salary
22,186	15,278	68.8	88.3	13,491	92.8	82.6	72.9	$21,978

1. **Total Graduates:** Represents all students (both full-time students and full-time students who transferred to part-time studies and then graduated) who graduated in May 1989 and is referred to as the survey population. A questionnaire was mailed to all the graduates (22,186).

2. **Total in the Survey:** Represents the number of graduates who returned completed questionnaires. All survey results are based on this population (15,278). The percentage represents the response rate, that is, the number of graduates who responded as a percentage of the total number of college graduates (15,278 ÷ 22,186 x 100 = 68.8%).

3. **Graduates in the Labour Force:** Represents the number of respondents who were either employed or unemployed during the reference week, November 5-11, 1989 (13,491). The percentage represents the labour force participation rate, that is, the number of graduates in the labour force as a percentage of the total number of respondents (13,491 ÷ 15,278 x 100 = 88.3%).

4. **Per cent Working:** Represents respondents who were employed as a percentage of the graduates in the labour force (92.8%).
   Per cent unemployed = 100% - 92.8% = 7.2%.

5. **Per cent Working Full-Time:** Represents respondents who were employed in full-time jobs as a percentage of the graduates in the labour force (82.6%).

6. **Per cent Working Full-Time in Related Jobs:** Represents respondents who were employed in full-time jobs related or partially related to their training programs as a percentage of the graduates in the labour force (72.9%). This is based on responses of the graduates to question 15 in the survey.

7. **Average Annual Salary:** Represents the average annual starting salary of respondents who were employed full-time in jobs related or partially related to their training ($21,978).

III. FREEDOM OF INFORMATION AND PROTECTION OF INDIVIDUAL PRIVACY ACT

To maintain adequate confidentiality in light of the Freedom of Information and Protection of Individual Privacy Act, employment information is not presented in this report for categories in which the total number of graduates or the number in the labour force is equal to one. Salary information is not presented for categories in which fewer than three graduates reported salaries.

INTRODUCTION

Since its introduction in 1965, Ontario's college system has evolved to include 23[1] colleges with approximately 90 campuses in 60 cities and towns throughout the province. In addition, the college system provides a continuing presence through regular courses or programs in approximately 300 additional communities. The provincial map in Appendix A (page 107) shows the geographic location of the main campus for each college.

Colleges of Applied Arts and Technology offer a wide range of programs. Their postsecondary programs vary in duration from one to three years and are aimed at providing education and skills training in the areas of Applied Arts, Business, Health Sciences, and Technology to students who have completed their secondary school diploma. Adult training programs are non-postsecondary programs usually less than one year in duration and are aimed at providing academic upgrading, language training, and vocational skills to adults in the labour force. Students can take both postsecondary and non-postsecondary programs on a full-time or part-time basis. The colleges also provide a range of industrial training programs, such as the in-school portion of apprenticeship training and contract training to individual employers. In addition, they offer continuing education programs covering a wide variety of career-oriented and general-interest courses.

This report provides information only on the labour market experience of full-time students who graduated from college postsecondary programs. It looks at the employment experience of the graduates six months after graduation and hence only paints a picture of transition from school to work. It should be noted that the results of the survey provide only a snapshot of the employment status of graduates during a one week period, whereas the situation of the graduates could well change over time. A brief description of the methodology used to collect information on the labour market experience of college graduates is provided in Appendix B (page 109).

Chapter I summarizes the employment profile of May 1989 graduates of Colleges of Applied Arts and Technology in Ontario. Chapter II provides information on the employment status and earnings of graduates by program areas at the provincial level. It also identifies the major industry sectors employing college graduates and the types of occupations in which they find employment.

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[1] La Cité collegiale, a newly created French language college in Ottawa, began operations in September 1990.

Chapter I

OVERVIEW OF SURVEY RESULTS

This chapter summarizes the general findings of the Graduate Employment Survey for all respondents. It provides information on the number of graduates, their labour force and employment status, their job start date, the relationship between their jobs and programs of study, and their annual earnings. It also identifies the major industry sectors employing college graduates and the types of occupations in which they find employment.

A. Number of Graduates

- In May 1989, 22,186 students graduated from postsecondary programs in the 22 Colleges of Applied Arts and Technology in Ontario. Of these, 19,263 were full-time students. The rest were full-time students who transferred to part-time studies and then graduated (Table 1).

- About 60 per cent of the college graduates were women. In all divisions except Technology, female graduates outnumbered male graduates.

- Slightly over a third of the students graduated from the Business division and another third from the Applied Arts division. Technology graduates accounted for 18 per cent of the total, and Health Sciences graduates accounted for the remaining 13 per cent.

- A total of 15,278 graduates responded to the survey. This represents a response rate of 68.8 per cent. This report's information on the labour market success of college graduates is based on these responses.

TABLE 1

LABOUR FORCE STATUS OF COLLEGE GRADUATES, BY DIVISION AND SEX, NOVEMBER 1989

	DIVISION AND SEX																	
	TECHNOLOGY			BUSINESS			APPLIED ARTS			HEALTH			UNKNOWN			TOTAL		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
I. TOTAL GRADUATES	3,500	459	3,959	2,549	5,203	7,752	2,436	5,006	7,442	382	2,574	2,956	38	39	77	8,905	13,281	22,186
II. TOTAL IN THE SURVEY	2,363	352	2,715	1,645	3,615	5,260	1,602	3,467	5,069	286	1,873	2,159	37	38	75	5,933	9,345	15,278
RESPONSE RATE	67.5%	76.6%	68.5%	64.5%	69.4%	67.8%	65.7%	69.2%	68.1%	74.8%	72.7%	73.0%	97.3%	97.4%	97.4%	66.6%	70.3%	68.8%
III. TOTAL IN THE LABOUR FORCE	2,033	293	2,326	1,469	3,225	4,694	1,348	3,000	4,348	277	1,785	2,062	31	30	61	5,158	8,333	13,491
PARTICIPATION RATE	86.0%	83.2%	85.6%	89.3%	89.2%	89.2%	84.1%	86.5%	85.7%	96.8%	95.3%	95.5%	83.7%	78.9%	81.3%	86.9%	89.1%	88.3%
IV. EMPLOYMENT STATUS																		
1. EMPLOYED	1,879	251	2,130	1,355	2,986	4,341	1,209	2,777	3,986	269	1,732	2,001	30	28	58	4,742	7,774	12,516
A. FULL-TIME	1,798	229	2,027	1,270	2,720	3,990	1,091	2,334	3,425	243	1,399	1,642	28	28	56	4,430	6,710	11,140
B. PART-TIME	63	21	84	71	252	323	109	424	533	25	313	338	0	0	0	268	1,010	1,278
C. UNKNOWN STATUS	18	1	19	14	14	28	9	19	28	1	20	21	2	0	2	44	54	98
2. UNEMPLOYED	154	42	196	114	239	353	139	223	362	8	53	61	1	2	3	416	559	975
UNEMPLOYMENT RATE	7.5%	14.3%	8.4%	7.7%	7.4%	7.5%	10.3%	7.4%	8.3%	2.8%	2.9%	2.9%	3.2%	6.6%	4.9%	8.0%	6.7%	7.2%
V. NOT IN THE LABOUR FORCE	330	59	389	176	390	566	254	467	721	9	88	97	6	8	14	775	1,012	1,787
A. FULL-TIME EDUCATION	303	54	357	138	289	427	225	366	591	4	52	56	6	5	11	676	766	1,442
B. OTHER*	23	5	28	36	97	133	28	97	125	5	34	39	0	3	3	92	236	328
C. UNKNOWN	4	0	4	2	4	6	1	4	5	0	2	2	0	0	0	7	10	17

Note: * "Other" includes travel, health, and family responsibilities.

B. Labour Force Status of Graduates

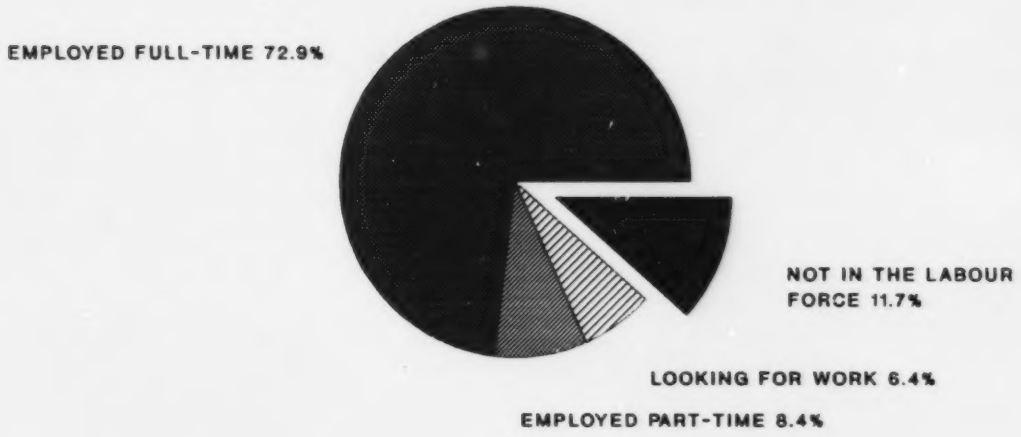
The labour force status of all graduates who responded to the survey is illustrated in Figure 1.

- Of the 15,278 graduates who responded to the survey, 1,787 graduates (11.7 per cent) were neither working nor looking for work at the time of the survey. The majority of graduates who were not in the labour force (81 per cent) were pursuing their education full-time at a college, university, or other postsecondary institution. The others were not in the labour force due to reasons of health, family responsibilities, or travel.

- 81.9 per cent of the respondents were employed at the time of the survey; 72.9 per cent in full-time jobs and 8.4 per cent in part-time jobs. 6.4 per cent of the respondents were looking for work.[2]

FIGURE 1

LABOUR FORCE STATUS OF COLLEGE GRADUATES*, NOVEMBER 1989



* Figures may not add up to 100.0 per cent because it excludes 98 employed graduates (0.6 per cent) whose full-time/part-time status is not known.

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[2] This percentage is not the unemployment rate. It represents the number of unemployed as a percentage of all graduates who responded to the survey, whereas an unemployment rate is the number of unemployed expressed as a percentage of all the graduates in the labour force. The unemployment rate is provided in Table 1. It was 7.2 per cent in November 1989.

C. Employment Status of Graduates

Employment

- Overall, 12,516 graduates were employed during the survey week in November 1989. They represent 92.8 per cent of the college graduates in the labour force at that time. Of these, 11,140 graduates, or 82.6 per cent in the labour force, were employed in full-time jobs; 1,278 graduates, or 9.5 per cent held part-time jobs, i.e., they were working less than 30 hours per week.

- The employment rate for female graduates was 93.3 per cent, and that for males was 91.9 per cent.

  However, the proportion of female graduates in the labour force in full-time jobs (80.5 per cent) was lower than that for males (85.9 per cent). The proportion of female graduates in the labour force in part-time jobs (12.1 per cent) was more than twice that for males (5.2 per cent).

Unemployment

- In November 1989, 975 graduates or 7.2 per cent of the total in the labour force were still looking for work.

- The unemployment rate for female graduates was 6.7 per cent, and that for males, 8.0 per cent.

- Graduates from the Health Sciences division had the lowest unemployment rate (2.9 per cent). The unemployment rates for graduates of programs in other divisions were as follows: Business (7.5 per cent), Applied Arts (8.3 per cent), and Technology (8.4 per cent).

D. Reasons for Working Part-Time

In November 1989, one in ten of the employed college graduates had a part-time job. The graduates were asked the reasons for working part-time, and the results are illustrated in Figure 2.

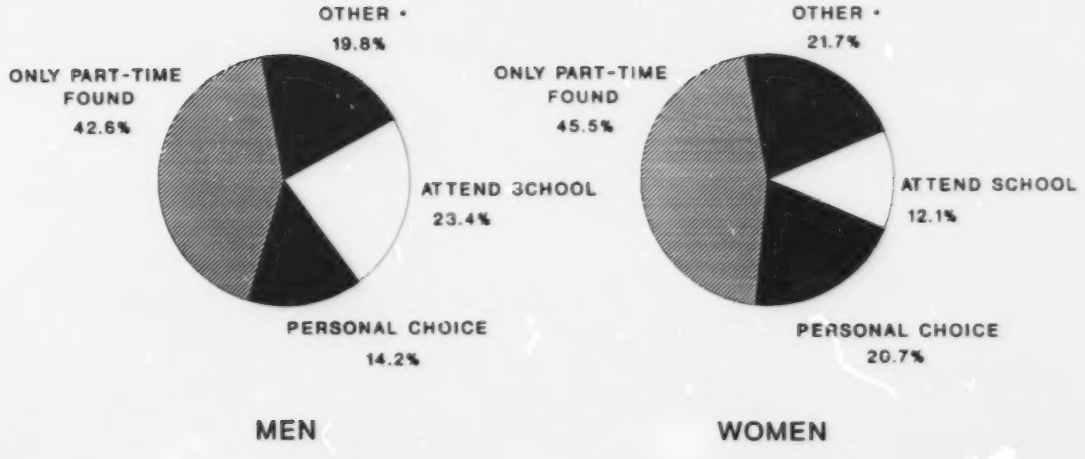
- Almost half the graduates working part-time did so because they could not find full-time jobs. This was the reason given most frequently by both men (42.6 per cent) and women (45.5 per cent).

- Among other reasons cited for working part-time, the pattern was different between men and women: 23.4 per cent of the male graduates working part-time did so because they were attending school full-time, whereas 12.1 per cent of the female graduates gave this reason for working part-time.

- On the other hand, 42.2 per cent of the female graduates either wanted to work part-time by choice or had to work part-time due to personal and family responsibilities or other reasons. The proportion of male graduates working part-time for these reasons was 34.0 per cent.

FIGURE 2

REASONS FOR WORKING PART-TIME, BY SEX, NOVEMBER 1989



• Other includes own illness/disability, family responsibilities, and other reasons.

E. Job Start Date

Graduates were asked to report on when they found employment. A summary of these results is presented in Figure 3.

- Within six months of graduation, 11,140 graduates had found full-time jobs. Of these, almost 48 per cent of the males and 41 per cent of the females had secured a full-time job before or upon graduation.

FIGURE 3

JOB START DATE*, BY SEX

* Date that graduates who were employed full-time during the week of November 5-11, 1989, started their jobs.

F. Relationship Between Job and Program of Study

The interaction of the job market and the education system is complex. While some programs provide training for specific occupations, graduates from other fields of study can function in a wide range of occupations. In the survey, graduates were asked whether the responsibilities of their jobs were related to their programs of study. The results are presented in Table 2 and Figure 4.

- Graduates who worked full-time were more likely than part-time workers to have jobs related to their program of study: 72.5 per cent of the graduates employed full-time considered the responsibilities of their jobs to be related to their training programs, while another 15.7 per cent considered them to be partially related. Only 11.4 per cent of the graduates held jobs that were not related to their training programs. The proportion of part-time workers in unrelated jobs was almost twice as high (21.4 per cent).

- The proportion of female graduates employed full-time in jobs that were not related to their training was 9.7 percent; the comparable figure for male graduates was 13.9 percent.

- The proportion of Health Sciences graduates employed full-time in jobs that were not related to their training was 2.3 per cent. The comparable figures for graduates from programs in other divisions were: Technology (10.9 per cent), Business (11.9 per cent), and Applied Arts (15.3 per cent).

TABLE 2

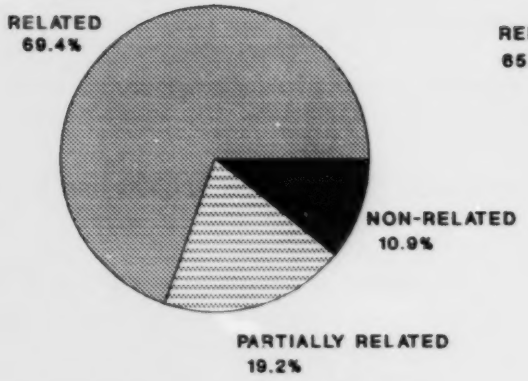
RELATIONSHIP BETWEEN JOB AND PROGRAM OF STUDY*,
BY DIVISION AND SEX,
NOVEMBER 1989

EMPLOYMENT STATUS	RELATIONSHIP	DIVISION AND SEX																	
		TECHNOLOGY			BUSINESS			APPLIED ARTS			HEALTH			UNKNOWN			TOTAL		
		MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %
FULL-TIME EMPLOYED	RELATED	70.0	64.6	69.4	65.9	65.1	65.4	67.3	75.2	72.7	93.4	93.9	93.8	57.1	60.7	58.9	69.4	74.6	72.5
	PARTIALLY	18.4	25.3	19.2	20.4	23.1	22.3	11.2	11.9	11.7	3.2	3.7	3.6	17.8	25.0	21.4	16.4	15.2	15.7
	NOT RELATED	11.0	10.0	10.9	13.4	11.2	11.9	21.2	12.5	15.3	3.2	2.2	2.3	25.0	14.2	19.6	13.9	9.7	11.4
	UNKNOWN	0.4	0.0	0.3	0.1	0.4	0.3	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2
	TOTAL***	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	TOTAL NUMBER	1,798	229	2,027	1,270	2,720	3,990	1,091	2,334	3,425	243	1,399	1,642	28	28	56	4,430	6,710	11,140
PART-TIME EMPLOYED	RELATED	46.0	33.3	42.8	38.0	44.4	43.0	54.1	63.6	61.7	88.0	89.1	89.0	0.0	0.0	0.0	51.1	66.1	62.9
	PARTIALLY	9.5	9.5	9.5	18.3	26.5	24.7	11.9	14.8	14.2	4.0	3.1	3.2	0.0	0.0	0.0	12.3	14.0	13.6
	NOT RELATED	39.6	57.1	44.0	39.4	27.3	30.0	31.1	20.0	22.3	0.0	6.7	6.2	0.0	0.0	0.0	32.4	18.5	21.4
	UNKNOWN	4.7	0.0	3.5	4.2	1.5	2.1	2.7	1.4	1.6	8.0	0.9	1.4	0.0	0.0	0.0	4.1	1.2	1.8
	TOTAL***	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	TOTAL NUMBER	63	21	84	71	252	323	109	424	533	25	313	338	0.0	0.0	0.0	268	1,010	1,278
TOTAL EMPLOYED**	RELATED	69.2	62.0	68.4	64.4	63.4	63.7	66.1	73.4	71.2	92.9	93.0	93.0	57.1	60.7	58.9	68.3	73.5	71.5
	PARTIALLY	18.1	24.0	18.8	20.3	23.4	22.4	11.3	12.4	12.0	3.3	3.6	3.5	17.8	25.0	21.4	16.1	15.1	15.5
	NOT RELATED	11.9	14.0	12.2	14.8	12.6	13.3	22.1	13.7	16.2	2.9	3.0	3.0	25.0	14.2	19.6	14.9	10.9	12.4
	UNKNOWN	0.5	0.0	0.5	0.3	0.5	0.4	0.3	0.3	0.3	0.7	0.2	0.3	0.0	0.0	0.0	0.4	0.4	0.4
	TOTAL***	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	TOTAL NUMBER	1,861	250	2,111	1,341	2,972	4,313	1,200	2,758	3,958	268	1,712	1,980	28	28	56	4,698	7,720	12,418

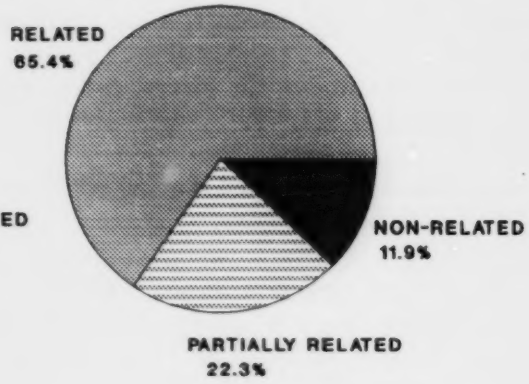
* Relationship determined by graduates.
** Total employed is the sum of full-time employed and part-time employed. It excludes employed graduates whose full-time/part-time status is unknown.
*** Figures may not add up to 100.0 per cent due to rounding.

FIGURE 4

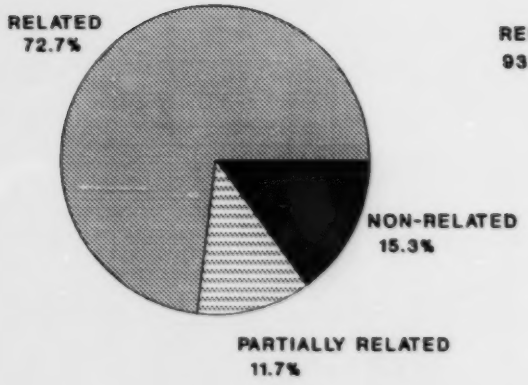
RELATIONSHIP BETWEEN FULL-TIME JOB AND PROGRAM OF STUDY, BY DIVISION , NOVEMBER 1989



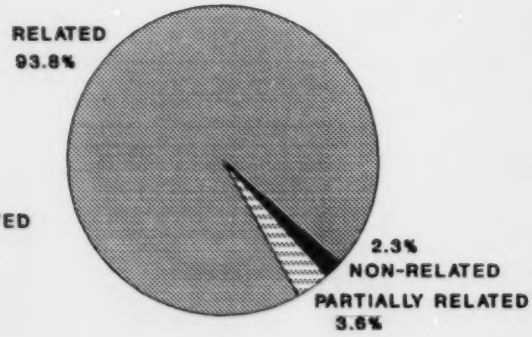
TECHNOLOGY



BUSINESS



APPLIED ARTS



HEALTH

G. Annual Earnings of Graduates

The average annual earnings of college graduates working full-time in jobs related or partially related to their training programs is presented in Figure 5 and Table 3. It should be noted that the earnings information presented in this report refers only to the average annual starting salary of graduates. Other compensation, such as gratuities, commissions, or other non-monetary payments, which in some occupations could be a significant component of the total earnings, is not included in the salary.

- At the time of the survey, college graduates reported an average annual starting salary of $21,978.

- The average annual starting salary for female graduates was $21,300, and that for males was $23,069.

- College graduates from the Health Sciences division reported the highest average annual salary at $28,097, which is about 28 per cent above the overall average. The next highest salary was reported by Technology graduates ($23,404). The average annual salaries for graduates from the Applied Arts and Business divisions were below the provincial average figures.

FIGURE 5

ANNUAL EARNINGS OF COLLEGE GRADUATES, BY DIVISION AND SEX, NOVEMBER 1989

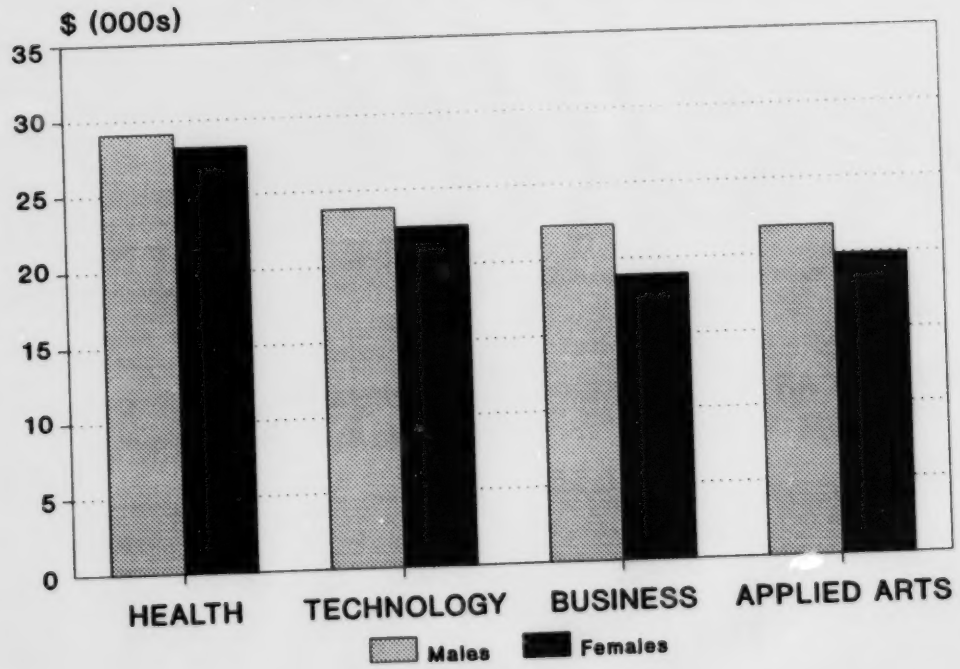


TABLE 3

ANNUAL EARNINGS OF COLLEGE GRADUATES*, BY DIVISION AND SEX, NOVEMBER 1989

ANNUAL SALARY	DIVISION AND SEX																	
	TECHNOLOGY			BUSINESS			APPLIED ARTS			HEALTH			UNKNOWN			TOTAL		
	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %	MALE %	FEMALE %	TOTAL %
< $10,00	0.3	0.0	0.2	1.7	1.9	1.8	1.2	2.1	1.8	0.0	0.2	0.1	5.5	0.0	2.4	0.9	1.5	1.3
$10,000 - $19,999	25.8	35.6	27.0	32.0	57.6	49.7	41.9	51.0	48.3	7.2	20.4	18.5	22.2	52.1	39.0	30.0	46.0	39.9
$20,000 - $29,999	60.8	56.2	60.3	55.9	38.0	43.5	47.7	43.5	44.7	42.0	29.7	31.5	44.4	47.8	46.3	55.2	38.6	45.0
$30,000 - $39,999	11.1	7.5	10.6	8.4	1.9	3.9	7.5	2.9	4.2	46.6	43.7	44.1	16.6	0.0	7.3	11.7	12.1	11.9
$40,000 - $49,999	0.9	0.5	0.9	1.1	0.3	0.6	0.8	0.2	0.4	3.1	3.7	3.6	5.5	0.0	2.4	1.1	1.1	1.1
$50,000 AND OVER	0.7	0.0	0.7	0.5	0.0	0.2	0.6	0.1	0.2	0.9	2.0	1.8	5.5	0.0	2.4	0.7	0.5	0.6
TOTAL**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTAL NUMBER	1,502	199	1,701	1,006	2,259	3,265	796	1,905	2,701	221	1,320	1,541	18	23	41	3,543	5,706	9,249
AVERAGE	23,588	22,009	23,404	22,203	18,738	19,806	21,511	19,676	20,217	28,952	27,954	28,097	24 [illegible]	19,393	21,742	23,069	21,300	21,978

* Annual earnings of college graduates refers to average annual starting salaries of graduates employed in full-time jobs related or partially related to their training programs.

** Figures may not add up to 100.0 per cent due to rounding.

H. Industry Sectors

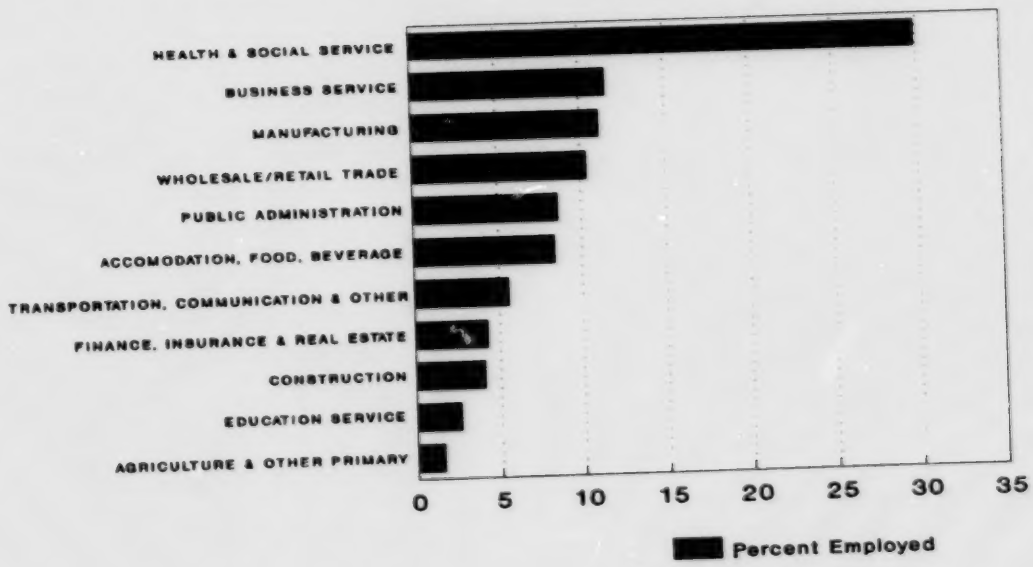
This section provides information on the major industry sectors employing college graduates. Graduates were asked to indicate the type of business or service offered by their employers. These responses were coded on the basis of Statistics Canada's 1980 SIC (Standard Industrial Classification). A summary of these results is presented in Figure 6.

- More than half of the employed graduates were working in the Service Industries which includes Health and Social Service Industries (30 per cent), Business Service Industries (12 per cent), Accommodation, Food, Beverage and Other Service Industries (8 per cent), and Education Service Industries (2 per cent).

- The Manufacturing Sector hired 11 per cent of the employed graduates. It was followed by Wholesale and Retail Trade (10 per cent) and Public Administration (9 per cent).

FIGURE 6

DISTRIBUTION OF EMPLOYMENT, BY INDUSTRY GROUPS, NOVEMBER 1989



I. Occupations

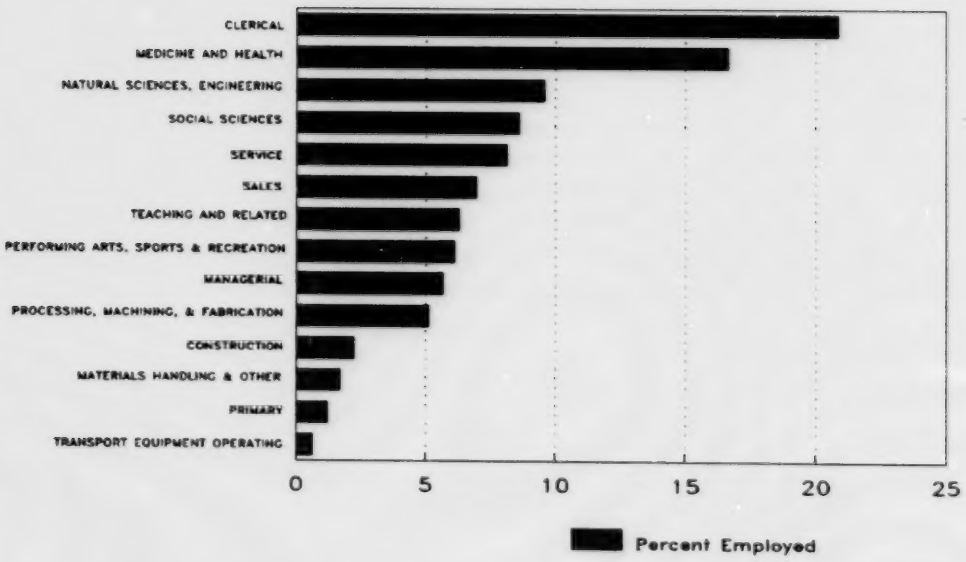
It is important to know not only how many graduates were employed full-time, but also what kinds of jobs they had found. Graduates were asked to provide information on their job titles and the types of work they were doing. Their responses were coded using the CCDO (Canadian Classification and Dictionary of Occupations) as defined by the Canada Employment and Immigration Commission. A summary of these responses is presented in Figure 7.

- Almost half of the employed graduates worked in professional support occupations, which include Medicine and Health (16.6 per cent), Natural Sciences and Engineering (9.6 per cent), Social Sciences (8.6 per cent), Teaching and related (6.3 per cent), and Performing Arts, Sports and Recreation (6.1 per cent).

- One in five of the graduates who had a job at the time of the survey was working in a Clerical occupation. About fifteen per cent of the employed graduates were engaged in Sales or Service occupations.

FIGURE 7

DISTRIBUTION OF EMPLOYMENT, BY OCCUPATION GROUPS, NOVEMBER 1989



Chapter II

EMPLOYMENT PROFILES BY PROGRAM AREA

This chapter provides employment profiles by program area. Similar programs in the various colleges are clustered into provincial program categories. These in turn have been grouped into fields and broad occupation groups or program area. This allows the employment of college graduates training for similar occupations to be compared. The groupings are as follows:

Division	Program Area
Applied Arts	• Visual and Creative Arts • Social Service
Health Sciences	• Health Technology • Nursing and Related
Technology	• Technology
Business	• Office and Business Administration • Hospitality

For each program area, information is presented on the number of graduates, their employment status, the relationship between their jobs and programs of study, and their annual earnings. Details on the major industry sectors employing graduates and the types of occupations in which they find employment are also provided.

It should be noted that the information presented in this report is at the provincial level and may not reflect regional and local variations in labour markets. Individual colleges also prepare reports based on the employment experience of their graduates. Readers requiring detailed information on specific programs in individual colleges are advised to contact the placement offices in those colleges. Appendix C (page 115) provides a list of programs with enrolment in 1989-90 by college. Appendix D (page 125) provides the addresses and telephone numbers of the career-planning and placement offices of all the colleges.

A. VISUAL AND CREATIVE ARTS PROGRAMS

This section discusses programs in the following fields:

- Media
- Performing Arts
- Fashion
- Design
- Art
- Craft
- Graphic Arts/Printing
- Horticulture

1. Number of Graduates

In May 1989, there were 2,573 graduates from English-language programs and 74 from French and Bilingual programs in the Visual and Creative Arts area. Together, they accounted for 12 per cent of the total number of college graduates in Ontario (Table 4).

Within this area, graduates from programs in the Media field, such as Broadcasting, Journalism, and Photography, accounted for 38.4 per cent of the total. The next largest group was in the Design field, in programs such as Graphic Design and Interior Design, which accounted for 30.4 per cent of the total number of graduates in this area.

2. Employment Status of Graduates

Six months after graduation, 91.7 per cent of the Visual and Creative Arts graduates in the labour force were employed and 8.3 per cent were looking for work. The employment rate for this group was lower than the average for all college graduates.

There were some exceptions: more than 97 per cent of the Fashion and Art graduates in the labour force were employed.

3. Relationship Between Job and Program of Study

At the time of the survey, the proportion of Visual and Creative Arts graduates in the labour force who were employed full-time in jobs related to their fields was 67.5 per cent, which is below the average for all college graduates.

However, within this program area, more than 80 per cent of the Graphic Arts and Horticulture graduates in the labour force were employed full-time in jobs related to their program of study.

The proportion of Art graduates in the labour force with full-time jobs related to their program of study was 34.8 per cent, and that for the Performing Arts graduates was 38.6 per cent.

4. Annual Earnings of Graduates

In November 1989, Visual and Creative Arts graduates earned an average annual starting salary of $19,588, compared with the college-system average of $21,978.

Horticulture graduates were the only group to earn above-average salaries ($23,525).

The starting salaries for Fashion and Art graduates were approximately $16,000 per year.

5. Industry Sectors

The major industry sectors employing Visual and Creative Arts graduates are as follows:

• Manufacturing	22.8%
• Transportation/Communication	20.1%
• Business Services	16.5%
• Trade	13.7%
• Accommodation/Food and Beverage	9.4%
• Other	17.5%
Total	100.0%

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 5. This provides an indication of the types of industries hiring graduates from the Visual and Creative Arts programs. The top five industries are as follows:

- Telecommunication Broadcasting Industries
- Publishing and Printing Industries
- Other Business Services
- Advertising Services
- Commercial Printing Industries

6. Occupations

More than half the employed Visual and Creative Arts graduates found employment in the major occupation group of Artistic, Literary, Performing Arts, and Related Occupations.

At the more detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 6. This provides an indication of the types of occupations in which Visual and Creative Arts graduates can find employment. The five most common occupations are as follows:

- Advertising and Illustrating Artists
- Product and Interior Design
- Writers and Editors, Publication
- Photographers and Camera Operators
- Radio and TV Announcers

FIGURE 8

GRADUATES EMPLOYED FULL-TIME, VISUAL AND CREATIVE ARTS PROGRAMS, NOVEMBER 1989

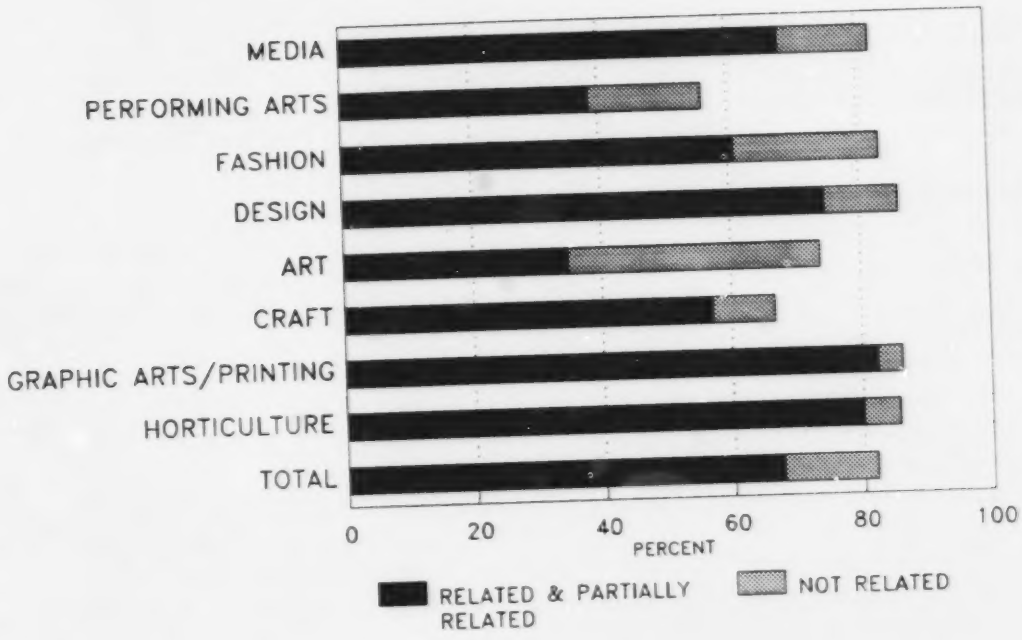


FIGURE 9

ANNUAL EARNINGS OF GRADUATES, VISUAL AND CREATIVE ARTS PROGRAMS, NOVEMBER 1989

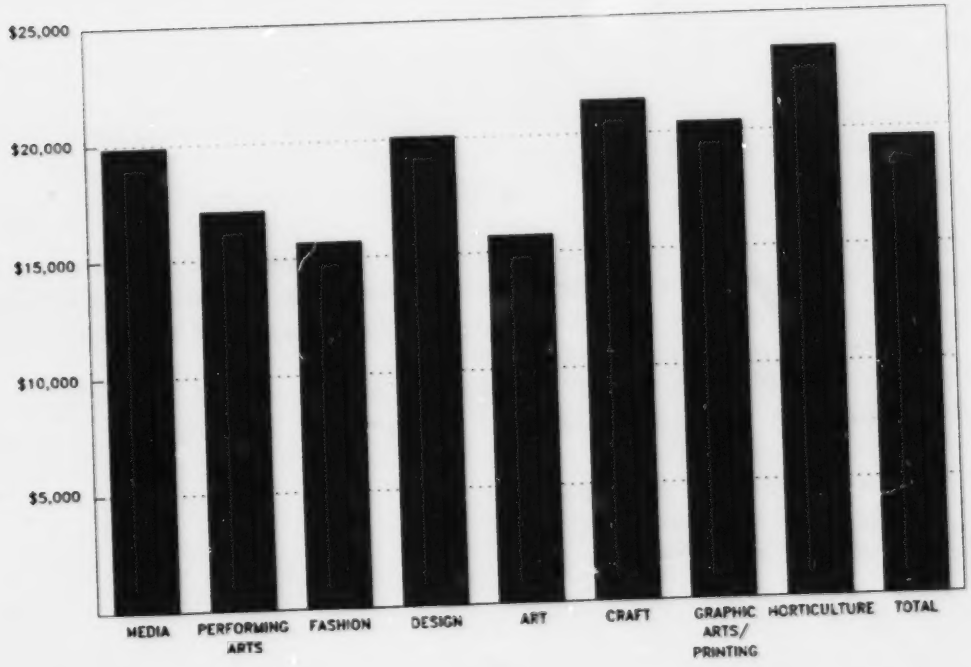


TABLE 4

EMPLOYMENT PICTURE OF COLLEGE GRADUATES, VISUAL AND CREATIVE ARTS PROGRAMS, NOVEMBER 1989

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
MEDIA										
MUSIC INDUSTRY ARTS	2 YR	39	11	28.2	72.7	8	100.0	100.0	100.0	$17,752
AUDIO-VISUAL TECHNICIAN	2 YR	60	40	66.7	87.5	35	85.7	71.4	51.4	$18,901
FILM PRODUCTION	2 YR	11	10	90.9	100.0	10	90.0	90.0	50.0	$19,501
PHOTOGRAPHY	2 YR	95	70	73.7	98.6	69	92.8	79.7	68.1	$20,471
PHOTOGRAPHY - ADVANCED	3 YR	9	5	55.6	100.0	5	100.0	80.0	80.0	$18,873
PHOTOJOURNALISM	2 YR	16	11	68.8	90.9	10	80.0	70.0	70.0	$18,262
COMPUTER ANIMATION	P D	26	26	100.0	88.5	23	78.3	73.9	69.6	$22,426
COMPUTER GRAPHICS	P D	17	17	100.0	82.4	14	100.0	92.9	85.7	$26,634
BROADCASTING - RADIO AND TELEVISION	2 YR	251	153	61.0	90.8	139	89.2	82.7	65.5	$18,103
BROADCASTING - RADIO AND TELEVISION	3 YR	108	85	78.7	98.8	84	95.2	84.5	75.0	$20,690
BROADCASTING - RADIO	P D	13	11	84.6	90.9	10	80.0	80.0	30.0	--
JOURNALISM - PRINT AND BROADCASTING	2 YR	192	155	80.7	87.7	136	92.6	83.1	70.6	$18,109
JOURNALISM - PRINT AND BROADCASTING	3 YR	55	39	70.9	94.9	37	94.6	86.5	67.6	$19,103
TECHNICAL WRITER	3 YR	16	15	93.8	100.0	15	100.0	100.0	93.3	$30,805
BOOK AND MAGAZINE PUBLISHING	2 YR	17	9	52.9	77.8	7	100.0	100.0	100.0	$19,689
MEDIA ARTS	2 YR	35	35	100.0	85.7	30	90.0	76.7	46.7	$24,305
FILM AND TELEVISION PRODUCTION	3 YR	27	24	88.9	100.0	24	83.3	70.8	62.5	$19,634
TOTAL		987	716	72.5	91.6	656	91.2	82.2	67.8	$19,869
PERFORMING ARTS										
MUSIC	3 YR	64	40	62.5	80.0	32	93.8	56.3	43.8	$17,654
THEATRE ARTS - PRE-AUDITION	1 YR	10	0	0.0	--	--	--	--	--	--
THEATRE ARTS - PRODUCTION	2 YR	26	14	53.8	78.6	11	81.8	45.5	27.3	--
THEATRE ARTS	3 YR	40	15	37.5	53.3	8	75.0	75.0	37.5	--
MUSIC THEATRE - PERFORMANCE	3 YR	7	7	100.0	85.7	6	83.3	50.0	33.3	--
TOTAL		147	76	51.7	75.0	57	87.7	56.1	38.6	$17,080

TABLE 4 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
FASHION										
FASHION TECHNIQUE AND DESIGN	2 YR	102	79	77.5	86.1	68	95.6	83.8	60.3	$15,943
FASHION ARTS	3 YR	18	17	94.4	94.1	16	100.0	68.8	43.8	$14,329
FASHION ARTS - MODELLING AND FASHION	2 YR	6	5	83.3	100.0	5	100.0	80.0	40.0	--
FASHION SALES AND MODELLING	1 YR	9	9	100.0	88.9	8	100.0	75.0	37.5	--
COSMETIC TECHNIQUES	2 YR	69	38	55.1	94.7	36	97.2	86.1	63.9	$16,411
ESTHETICIAN	2 YR	19	19	100.0	100.0	19	100.0	94.7	84.2	$13,508
APPAREL MANUFACTURING MANAGEMENT	2 YR	11	5	45.5	80.0	4	100.0	75.0	75.0	--
TOTAL		**234**	**172**	**73.5**	**90.7**	**156**	**97.4**	**83.3**	**60.9**	**$15,675**
DESIGN										
DESIGN ARTS - INDUSTRIAL	3 YR	5	1	20.0	--	--	--	--	--	--
DESIGN ARTS - CREATIVE ARTS	3 YR	17	8	47.1	87.5	7	100.0	71.4	42.9	--
INDUSTRIAL DESIGN	3 YR	15	13	86.7	100.0	13	84.6	84.6	53.8	$23,669
GRAPHIC DESIGN	2 YR	106	85	80.2	84.7	72	90.3	90.3	68.1	$17,820
GRAPHIC DESIGN	3 YR	416	228	54.8	58.8	134	87.3	81.3	72.4	$19,585
DESIGN ARTS	3 YR	31	31	100.0	80.6	25	96.0	96.0	92.0	$21,726
INTERIOR DESIGN	2 YR	61	24	39.3	79.2	19	89.5	73.7	52.6	$18,771
INTERIOR DESIGN	3 YR	106	63	59.4	96.8	61	91.8	90.2	90.2	$20,617
COMMUNITY PLANNING	2 YR	12	11	91.7	100.0	11	100.0	100.0	90.9	$24,554
PACKAGING DESIGN	3 YR	12	11	91.7	100.0	11	81.8	81.8	81.8	$19,358
TOTAL		**781**	**475**	**60.8**	**74.5**	**354**	**89.8**	**85.9**	**74.6**	**$19,983**
ART										
ART FUNDAMENTALS	1 YR	108	99	91.7	21.2	21	100.0	71.4	14.3	--
FINE ART	3 YR	32	18	56.3	77.8	14	92.9	71.4	42.9	$14,948
COMMERCIAL ART	2 YR	72	12	16.7	91.7	11	100.0	81.8	63.6	$17,240
TOTAL		**212**	**129**	**60.8**	**35.7**	**46**	**97.8**	**73.9**	**34.8**	**$15,731**

TABLE 4 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
CRAFT										
CERAMICS	2 YR	3	2	66.7	50.0	1	--	--	--	--
JEWELLERY ARTS	2 YR	1	--	--	--	--	--	--	--	--
JEWELLERY ARTS	3 YR	21	7	33.3	100.0	7	85.7	71.4	71.4	$19,807
GEMMOLOGY	1 YR	12	0	0.0	--	--	--	--	--	--
CRAFTS AND DESIGN	3 YR	13	11	84.6	72.7	8	100.0	75.0	75.0	$22,440
JEWELLERY REPAIRS	3 YR	14	4	28.6	100.0	4	75.0	75.0	25.0	--
WATCH TECHNICIAN	2 YR	9	3	33.3	33.3	1	--	--	--	--
TOTAL		73	27	37.0	77.8	21	90.5	66.7	57.1	$21,437
GRAPHIC ARTS/PRINTING										
GRAPHIC SIGN DESIGN AND PRODUCTION	2 YR	24	11	45.8	100.0	11	90.9	81.8	81.8	$19,633
GRAPHIC ARTS REPROD. - PRODUCTION CO-ORD	3 YR	7	7	100.0	100.0	7	100.0	100.0	100.0	$19,554
PRINTING TECHNICIAN	2 YR	28	22	78.6	100.0	22	90.9	77.3	72.7	$19,144
PRINTING TECHNOLOGY	3 YR	26	14	53.8	78.6	11	100.0	100.0	90.9	$23,311
TOTAL		85	54	63.5	94.4	51	94.1	86.3	82.4	$20,406
HORTICULTURE										
HORTICULTURAL TECHNICIAN	2 YR	16	7	43.8	85.7	6	100.0	100.0	66.7	$18,674
LANDSCAPE TECHNICIAN	2 YR	38	26	68.4	84.6	22	90.9	90.9	90.9	$24,667
TOTAL		54	33	61.1	84.8	28	92.9	92.9	85.7	$23,525
TOTAL ENGLISH PROGRAMS		2,573	1,682	65.4	81.4	1,369	91.7	82.0	67.2	$19,512

TABLE 4 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
FRENCH PROGRAMS										
MEDIA										
PHOTOGRAPHY	2 YR	7	6	85.7	100.0	6	100.0	83.3	66.7	$14,687
BROADCASTING - RADIO AND TELEVISION	2 YR	16	10	62.5	100.0	10	100.0	70.0	70.0	$24,586
JOURNALISM - PRINT AND BROADCASTING	2 YR	7	7	100.0	71.4	5	100.0	100.0	80.0	$17,207
TOTAL		30	23	76.7	91.3	21	100.0	81.0	71.4	$20,356
DESIGN										
GRAPHIC DESIGN	2 YR	16	15	93.8	100.0	15	100.0	93.3	80.0	$21,774
INTERIOR DESIGN	3 YR	11	11	100.0	100.0	11	81.8	81.8	72.7	$21,135
TOTAL		27	26	96.3	100.0	26	92.3	88.5	76.9	$21,539
HORTICULTURE										
LANDSCAPE TECHNICIAN	2 YR	10	8	80.0	87.5	7	57.1	57.1	57.1	$23,560
TOTAL		10	8	80.0	87.5	7	57.1	57.1	57.1	$23,560
TOTAL FRENCH PROGRAMS		67	57	85.1	94.7	54	90.7	81.5	72.2	$21,247
BILINGUAL PROGRAMS										
MEDIA										
TRANSLATION SUPPORT TECHNIQUES	2 YR	7	4	57.1	100.0	4	100.0	100.0	100.0	$21,192
TOTAL		7	4	57.1	100.0	4	100.0	100.0	100.0	$21,192
TOTAL BILINGUAL PROGRAMS		7	4	57.1	100.0	4	100.0	100.0	100.0	$21,192
TOTAL VISUAL AND CREATIVE ARTS PROGRAMS		2,647	1,743	65.8	81.9	1,427	91.7	82.1	67.5	$19,588

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 5

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, VISUAL AND CREATIVE ARTS PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
TELECOMMUNICATION BROADCASTING INDUSTRIES	162	16	178	19.2
COMBINED PUBLISHING AND PRINTING INDUSTRIES	71	2	73	7.9
OTHER BUSINESS SERVICES	62	1	63	6.8
ADVERTISING SERVICES	53	2	55	5.9
COMMERCIAL PRINTING INDUSTRIES	43	4	47	5.1
MOTION PICTURE, AUDIO AND VIDEO PRODUCTION	35	4	39	4.2
PUBLISHING INDUSTRIES	24	0	24	2.6
PHOTOGRAPHERS	21	1	22	2.4
ARCHITECTURAL, ENGINEERING AND OTHER SCIENTIFIC & TECHNICAL PRODUCTION	17	1	18	1.9
GENERAL MERCHANDISE STORES	13	4	17	1.8
THEATRICAL AND OTHER STAGED ENTERTAINMENT	12	1	13	1.4
GENERAL ADMINISTRATIVE SERVICES	13	0	13	1.4
COMPUTER AND RELATED SERVICES	9	2	11	1.2
HUMAN RESOURCE ADMINISTRATION	10	1	11	1.2
PAPER BOX AND BAG INDUSTRIES	10	0	10	1.1
POSTSECONDARY NON-UNIVERSITY EDUCATION	6	4	10	1.1
WOMEN'S CLOTHING STORES	9	1	10	1.1
FOOD SERVICES	10	0	10	1.1
SUB-TOTAL	**580**	**44**	**624**	**67.2**
OTHER	**269**	**36**	**305**	**32.8**
TOTAL**	**849**	**80**	**929**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 6

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, VISUAL AND CREATIVE ARTS PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
ADVERTISING & ILLUSTRATING ARTISTS	173	4	177	16.2
PRODUCT & INTERIOR DESIGNERS	98	4	102	9.3
WRITERS & EDITORS, PUBLICATION	95	2	97	8.9
PHOTOGRAPHERS & CAMERA OPERATORS	60	2	62	5.7
RADIO & TV ANNOUNCERS	37	6	43	3.9
OCCUPATIONS IN PERFORMING & AUDIOVISUAL ARTS, N.E.C.	33	2	35	3.2
PRODUCERS & DIRECTORS, PERFORMING & AUDIOVISUAL ARTS	26	3	29	2.7
BARBERS, HAIRDRESSERS & RELATED OCCUPATIONS	23	2	25	2.3
SOUND & VIDEO RECORDING & REPRODUCTION EQUIPMENT OPERATORS	23	2	25	2.3
WRITERS & EDITORS: RADIO, TV, THEATRE & MOTION PICTURES	21	1	22	2.0
SALES CLERKS, COMMODITIES	14	6	20	1.8
SALES OCCUPATIONS, COMMODITIES, N.E.C.	17	2	19	1.7
NURSERY & RELATED WORKERS	18	0	18	1.7
RADIO & TV BROADCASTING EQUIPMENT OPERATORS	15	0	15	1.4
SECRETARIES & STENOGRAPHERS	13	1	14	1.3
OCCUPATIONS RELATED TO MANAGEMENT & ADMINISTRATION, N.E.C.	13	0	13	1.2
OCCUPATIONS IN LABOURING & OTHER ELEMENTAL WORK	12	1	13	1.2
PRINTING & RELATED OCCUPATIONS, N.E.C.	10	1	11	1.0
FINE ARTS TEACHERS	2	9	11	1.0
SYSTEMS ANALYSTS, COMPUTER PROGRAMMERS & RELATED OCCUPATIONS	11	0	11	1.0
SUPERVISORS: SALES OCCUPATIONS, COMMODITIES	11	0	11	1.0
MUSICIANS	8	2	10	0.9
ARCHITECTURAL & ENGINEERING TECHNOLOGISTS & TECHNICIANS	8	2	10	0.9
EDP EQUIPMENT OPERATORS	9	1	10	0.9
SUB-TOTAL	**750**	**53**	**803**	**73.5**
OTHER	**261**	**29**	**290**	**27.6**
TOTAL**	**1,011**	**82**	**1,093**	**100.0**

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* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

B. SOCIAL SERVICES PROGRAMS

This section discusses programs in the following fields:

- Law and Security
- Library
- Education
- Child/Youth Worker
- Developmental Services Worker
- Recreation Fitness
- Public Relations
- Social Services
- Upgrading/Preparatory

1. Number of Graduates

In May 1989, the total number of Social Services graduates was 4,795, or 21.6 per cent of the total number of college graduates in Ontario. Of these, 4,563 graduates were enrolled in English-language programs, 146 were enrolled in French-language programs, and 86 in Bilingual programs (Table 7).

Almost two-thirds of the graduates in this program area were enrolled in the following three fields:

- Education
- Law and Security
- Social Services

2. Employment Status of Graduates

Six months after graduation, 91.6 per cent of the Social Services graduates in the labour force were employed. The unemployment rate for this group was (8.4 per cent), which is higher than the average unemployment rate for all college graduates (7.2 per cent).

Graduates who had enrolled in the Education, Child/Youth Worker, and Developmental Services Worker fields had employment rates that were higher than the average for this program area.

At the time of the survey, more than 10 per cent of the Law and Security and Library Technician graduates in the labour force were still looking for work.

3. Relationship Between Job and Program of Study

The proportion of Social Services graduates in the labour force employed in full-time jobs related to their program of study was 66.1 per cent. The comparable figure for all college graduates was 72.9 per cent.

Among students who had enrolled in Education, Youth/Child Worker, and Developmental Services Worker programs, almost three out of four graduates in the labour force were employed full-time in jobs related to their fields.

Slightly over half of the Law and Security graduates in the labour force found full-time jobs related to their program of study.

4. Annual Earnings of Graduates

The average annual earnings for Social Services graduates were $20,522, which is below the average salary for all college graduates.

The average annual starting salary for Education graduates was $18,491.

5. Industry Sectors

The major industry sectors employing Social Services graduates were:

- Health and Social Services 50%
- Public Administration 16%

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 8. This provides an indication of the types of industries hiring graduates from the Social Services programs. The top five industries are as follows:

- Non-Institutional Social Services
- Other Institutional Health and Social Services
- Protective Services
- Human Resource Administration
- Elementary and Secondary Education

6. Occupations

Employed graduates from the Social Services area found jobs in the following three major occupation groups:

- Social Sciences 32.6%
- Teaching and Related 26.4%
- Services 17.2%

At the detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 9. This provides an indication of the types of occupations in which graduates from the Social Service programs can find employment. The most common occupations are as follows:

- Elementary and Kindergarten Teachers: (Pre-School Teacher and Day-Care Worker Assistant)
- Occupations in Welfare and Community Services
- Guard and Related Security Occupations
- Social Workers

FIGURE 10

GRADUATES EMPLOYED FULL-TIME, SOCIAL SERVICES PROGRAMS, NOVEMBER 1989

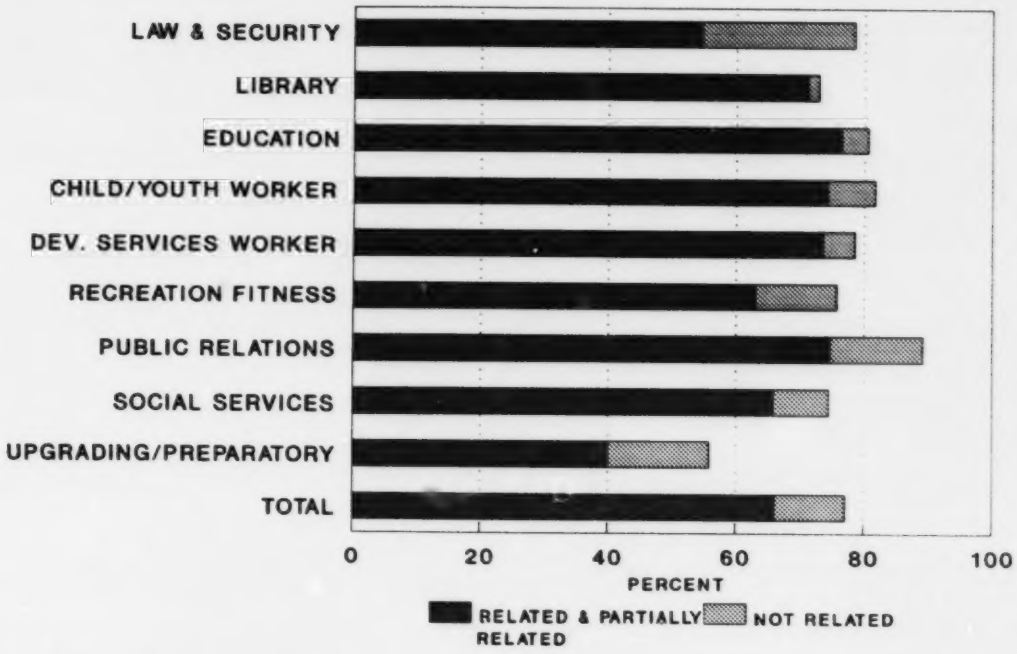

FIGURE 11
ANNUAL EARNINGS OF GRADUATES, SOCIAL SERVICES PROGRAMS, NOVEMBER 1989

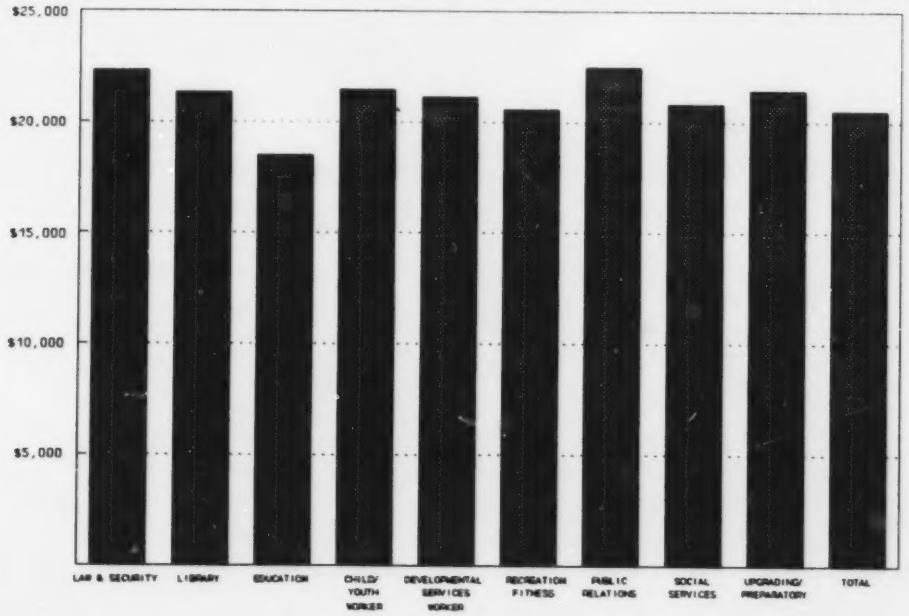

TABLE 7

EMPLOYMENT PICTURE OF COLLEGE GRADUATES,
SOCIAL SERVICES PROGRAMS,
NOVEMBER 1989

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
LAW AND SECURITY										
PROTECTIVE SECURITY	1 YR	12	9	75.0	44.4	4	100.0	75.0	75.0	--
SECURITY SYSTEMS IMPLEMENTATION & DESIGN	2 YR	9	9	100.0	100.0	9	66.7	66.7	44.4	$25,157
SPECIAL CONSTABLE	1 YR	11	11	100.0	81.8	9	33.3	33.3	22.2	--
LAW AND SECURITY ADMINISTRATION	2 YR	870	577	66.3	91.2	526	89.5	80.0	55.1	$22,390
NATURAL RESOURCES TECHY - LAW ENFORCE.	P D	21	21	100.0	90.5	19	78.9	78.9	73.7	$23,525
TOTAL		923	627	67.9	90.4	567	88.0	79.0	55.2	$22,389
LIBRARY										
LIBRARY TECHNICIAN	2 YR	87	56	64.4	94.6	53	88.7	69.8	67.9	$20,551
TOTAL		87	56	64.4	94.6	53	88.7	69.8	67.9	$20,551
EDUCATION										
EARLY CHILDHOOD EDUCATION	2 YR	973	687	70.6	90.8	624	96.0	83.2	78.8	$18,556
INFANT AND TODDLER CARE	P D	3	3	100.0	100.0	3	66.7	66.7	66.7	--
EARLY CHILDHOOD EDUC. - SPECIAL NEEDS	P D	17	17	100.0	88.2	15	100.0	93.3	93.3	$18,278
EDUCATIONAL ASSISTANT	2 YR	8	8	100.0	100.0	8	87.5	75.0	75.0	$19,615
TEACHER AIDE	2 YR	50	45	90.0	84.4	38	78.9	31.6	26.3	$15,201
EDUCATIONAL RESOURCES & SPECIAL NEEDS	2 YR	25	19	76.0	89.5	17	94.1	82.4	82.4	$17,232
TOTAL		1,076	779	72.4	90.5	705	94.9	80.4	76.3	$18,470

TABLE 7 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
CHILD/YOUTH WORKER										
CHILD CARE WORKER	2 YR	21	16	76.2	93.8	15	100.0	80.0	73.3	$21,139
CHILD AND YOUTH WORKER	3 YR	208	162	77.9	92.6	150	98.0	82.0	74.0	$21,551
TOTAL		229	178	77.7	92.7	165	98.2	81.8	73.9	$21,512
DEVELOPMENTAL SERVICES WORKER										
DEVELOPMENTAL SERVICES WORKER	2 YR	269	183	68.0	94.0	172	95.3	80.2	75.6	$21,183
DEVELOPMENTAL CARE FOR MENTALLY RETARD.	P D	6	6	100.0	66.7	4	100.0	100.0	75.0	--
TOTAL		275	189	68.7	93.1	176	95.5	80.7	75.6	$21,182
RECREATION FITNESS										
SPORTS INJURY MANAGEMENT	2 YR	15	15	100.0	100.0	15	100.0	93.3	93.3	$22,420
RECREATION LEADERSHIP	2 YR	287	197	68.6	89.3	176	90.3	75.6	61.9	$20,553
COACHING TECHNIQUES	2 YR	27	10	37.0	100.0	10	100.0	90.0	80.0	$17,674
WELLNESS AND LIFESTYLE MANAGEMENT	P D	12	11	91.7	90.9	10	90.0	50.0	50.0	$17,796
FITNESS INSTRUCTOR	2 YR	33	18	54.5	88.9	16	93.8	62.5	43.8	$22,925
PHYSICAL FITNESS MANAGEMENT	3 YR	7	6	85.7	100.0	6	83.3	83.3	66.7	$18,468
RECREATION - PARKS OPERATION & SERVICES	2 YR	44	22	50.0	90.9	20	85.0	80.0	65.0	$22,039
TOTAL		425	279	65.6	90.7	253	90.9	75.9	63.2	$20,621
PUBLIC RELATIONS										
PUBLIC RELATIONS	2 YR	19	17	89.5	94.1	16	93.8	87.5	68.8	$24,414
PUBLIC RELATIONS	3 YR	25	24	96.0	87.5	21	95.2	90.5	81.0	$21,680
PUBLIC RELATIONS	P D	58	49	84.5	93.9	46	91.3	89.1	73.9	$22,185
TOTAL		102	90	88.2	92.2	83	92.8	89.2	74.7	$22,472

TABLE 7 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
SOCIAL SERVICES										
COMMUNITY WORKER	2 YR	54	29	53.7	75.9	22	77.3	68.2	54.5	$22,598
NATIVE COMMUNITY CARE COUNSELLING & DEVEL	2 YR	37	27	73.0	96.3	26	100.0	100.0	92.3	$17,250
CORRECTIONAL WORKER	2 YR	158	124	78.5	92.7	115	90.4	79.1	62.6	$22,779
APPLIED RESEARCH	2 YR	8	8	100.0	87.5	7	100.0	100.0	71.4	$24,975
BEHAVIOURAL SCIENCE TECHNICIAN	2 YR	22	7	31.8	85.7	6	100.0	66.7	66.7	$23,317
BEHAVIOURAL SCIENCE TECHNOLOGY	3 YR	20	16	80.0	93.8	15	100.0	73.3	66.7	$19,822
SOCIAL SERVICE WORKER	2 YR	485	367	75.7	87.5	321	90.7	73.8	67.3	$20,719
NATIVE CHILD AND FAMILY WORKER	3 YR	7	2	28.6	50.0	1	--	--	--	--
REHABILITATION WORKER	2 YR	16	16	100.0	100.0	16	100.0	68.8	56.3	$19,911
ACTIVATION CO-ORDINATOR	2 YR	40	33	82.5	93.9	31	83.9	61.3	54.8	$20,719
SIGN LANGUAGE COMMUNICATOR	2 YR	34	6	17.6	83.3	5	100.0	80.0	60.0	--
SIGN LANGUAGE INTERPRETER	3 YR	5	5	100.0	100.0	5	100.0	80.0	80.0	$19,853
HUMAN SERVICES COUNSELLOR	2 YR	58	28	48.3	71.4	20	75.0	35.0	35.0	$23,074
NATIVE COUNSELLOR	1 YR	1	--	--	--	--	--	--	--	--
DAY CARE ASSISTANT	1 YR	39	31	79.5	83.9	26	96.2	88.5	80.8	$15,421
NATIVE RECREATION WORKER	1 YR	3	3	100.0	66.7	2	100.0	100.0	100.0	--
TOTAL		987	703	71.2	88.1	619	90.8	74.8	65.9	$20,713
UPGRADING/PREPARATORY										
PRE-HEALTH SCIENCE	1 YR	76	29	38.2	96.6	28	100.0	82.1	82.1	$28,353
PRE-HEALTH SCIENCE	1 YR	49	0	0.0	--	--	--	--	--	--
GENERAL VOCATIONAL PREPARATION	1 YR	46	41	89.1	34.1	14	71.4	35.7	21.4	--
GENERAL ARTS AND SCIENCE	2 YR	241	135	56.0	54.8	74	86.5	50.0	27.0	$17,262
GENERAL ARTS AND SCIENCE - ADVANCED	3 YR	5	5	100.0	60.0	3	66.7	--	--	--
COLLEGE VOCATIONAL	1 YR	18	8	44.4	75.0	6	66.7	50.0	33.3	--
COLLEGE VOCATIONAL	2 YR	10	8	80.0	100.0	8	87.5	50.0	50.0	$14,349
COLLEGE VOCATIONAL	3 YR	14	8	57.1	37.5	3	100.0	66.7	66.7	--
TOTAL		459	234	51.0	58.1	136	86.8	54.4	39.7	$22,127
TOTAL ENGLISH PROGRAMS		4,563	3,135	68.7	87.9	2,757	91.8	77.3	66.2	$20,522

TABLE 7 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY		GRADS IN LABOUR FORCE		PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
			#	%	%	#				
FRENCH PROGRAMS										
LAW AND SECURITY										
LAW AND SECURITY ADMINISTRATION	2 YR	25	20	80.0	90.0	18	88.9	72.2	38.9	$19,309
TOTAL		25	20	80.0	90.0	18	88.9	72.2	38.9	$19,309
LIBRARY										
LIBRARY TECHNICIAN	2 YR	8	8	100.0	75.0	6	100.0	100.0	100.0	$26,869
TOTAL		8	8	100.0	75.0	6	100.0	100.0	100.0	$26,869
EDUCATION										
EARLY CHILDHOOD EDUCATION	2 YR	25	23	92.0	73.9	17	100.0	100.0	94.1	$19,516
TOTAL		25	23	92.0	73.9	17	100.0	100.0	94.1	$19,516
CHILD/YOUTH WORKER										
CHILD AND YOUTH WORKER	3 YR	8	8	100.0	100.0	8	87.5	75.0	75.0	$21,758
TOTAL		8	8	100.0	100.0	8	87.5	75.0	75.0	$21,758
DEVELOPMENTAL SERVICES WORKER										
DEVELOPMENTAL SERVICES WORKER	2 YR	15	14	93.3	100.0	14	78.6	50.0	50.0	$20,157
TOTAL		15	14	93.3	100.0	14	78.6	50.0	50.0	$20,157
RECREATION FITNESS										
RECREATION LEADERSHIP	2 YR	11	9	81.8	77.8	7	100.0	71.4	57.1	$18,859
TOTAL		11	9	81.8	77.8	7	100.0	71.4	57.1	$18,859

TABLE 7 (Cont'd)

FRENCH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
SOCIAL SERVICES										
CORRECTIONAL WORKER	2 YR	10	6	60.0	100.0	6	100.0	83.3	83.3	$21,873
BEHAVIOURAL SCIENCE TECHNICIAN	2 YR	13	6	46.2	100.0	6	100.0	66.7	50.0	--
SOCIAL SERVICE WORKER	2 YR	16	14	87.5	85.7	12	83.3	75.0	75.0	$23,553
TOTAL		39	26	66.7	92.3	24	91.7	75.0	70.8	$22,106
UPGRADING/PREPARATORY										
GENERAL ARTS AND SCIENCE	2 YR	4	3	75.0	0.0	0	--	--	--	--
COLLEGE VOCATIONAL	2 YR	11	10	90.9	90.0	9	77.8	77.8	44.4	$12,693
TOTAL		15	13	86.7	69.2	9	77.8	77.8	44.4	$12,693
TOTAL FRENCH PROGRAMS		146	121	82.9	85.1	103	90.3	76.7	65.0	$20,574
BILINGUAL PROGRAMS										
LAW AND SECURITY										
LAW AND SECURITY ADMINISTRATION	2 YR	16	10	62.5	100.0	10	90.0	60.0	50.0	$21,318
TOTAL		16	10	62.5	100.0	10	90.0	60.0	50.0	$21,318
EDUCATION										
EARLY CHILDHOOD EDUCATION	2 YR	26	24	92.3	79.2	19	94.7	73.7	63.2	$18,075
TOTAL		26	24	92.3	79.2	19	94.7	73.7	63.2	$18,075
CHILD/YOUTH WORKER										
CHILD CARE WORKER	2 YR	6	5	83.3	100.0	5	100.0	80.0	80.0	$20,943
CHILD AND YOUTH WORKER	3 YR	2	2	100.0	100.0	2	100.0	100.0	100.0	--
TOTAL		8	7	87.5	100.0	7	100.0	85.7	85.7	$20,262

TABLE 7 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
BILINGUAL PROGRAMS										
DEVELOPMENTAL SERVICES WORKER										
DEVELOPMENTAL SERVICES WORKER	2 YR	7	6	85.7	100.0	6	100.0	83.3	66.7	$20,477
TOTAL		7	6	85.7	100.0	6	100.0	83.3	66.7	$20,477
SOCIAL SERVICES										
CORRECTIONAL WORKER	2 YR	12	8	66.7	87.5	7	85.7	85.7	85.7	$26,349
SOCIAL SERVICE WORKER	2 YR	17	15	88.2	80.0	12	50.0	50.0	41.7	$17,579
TOTAL		29	23	79.3	82.6	19	63.2	63.2	57.9	$22,363
TOTAL BILINGUAL PROGRAMS		86	70	81.4	87.1	61	85.2	70.5	62.3	$20,402
TOTAL SOCIAL SERVICES PROGRAMS		4,795	3,326	69.4	87.8	2,921	91.6	77.2	66.1	$20,522

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 8

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, SOCIAL SERVICES PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
NON-INSTITUTIONAL SOCIAL SERVICES	545	55	600	28.2
OTHER INSTITUTIONAL HEALTH AND SOCIAL SERVICES	248	42	290	13.6
PROTECTIVE SERVICES	119	11	130	6.1
HUMAN RESOURCE ADMINISTRATION	81	14	95	4.5
ELEMENTARY AND SECONDARY EDUCATION	60	30	90	4.2
HOSPITALS	69	19	88	4.1
OTHER BUSINESS SERVICES	73	6	79	3.7
GENERAL ADMINISTRATIVE SERVICES	58	8	66	3.1
SPORTS AND RECREATION CLUBS AND SERVICES	38	4	42	2.0
HEALTH AND SOCIAL SERVICE ASSOCIATIONS & AGENCIES	31	7	38	1.8
FOOD SERVICES	24	10	34	1.6
GENERAL MERCHANDISE STORES	25	8	33	1.6
ECONOMIC SERVICES ADMINISTRATION	29	2	31	1.5
POSTSECONDARY NON-UNIVERSITY EDUCATION	13	13	26	1.2
CIVIC AND FRATERNAL ORGANIZATIONS	19	7	26	1.2
ADVERTISING SERVICES	21	2	23	1.1
NON-INSTITUTIONAL HEALTH SERVICES	14	6	20	0.9
FOOD STORES	8	12	20	0.9
HEALTH AND SOCIAL SERVICE INDUSTRIES	11	5	16	0.8
HOTELS, MOTELS AND TOURIST COURTS	15	1	16	0.8
CHARTERED BANKS AND OTHER BANKING-TYPE INTERMEDIARIES	10	1	11	0.5
SUB-TOTAL	**1,511**	**263**	**1,774**	**83.3**
OTHER	**311**	**44**	**355**	**16.7**
TOTAL**	**1,822**	**307**	**2,129**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 9

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, SOCIAL SERVICES PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
ELEMENTARY & KINDERGARTEN TEACHERS**	468	57	525	21.7
OCCUPATIONS IN WELFARE & COMMUNITY SERVICES	373	62	435	18.0
GUARDS & RELATED SECURITY OCCUPATIONS	166	13	179	7.4
SOCIAL WORKERS	119	16	135	5.6
OTHER OCCUPATIONS IN SOCIAL SCIENCE & RELATED FIELDS, N.E.C.	82	16	98	4.1
POLICE OFFICERS & DETECTIVES, GOVERNMENT	90	4	94	3.9
EDUCATIONAL & VOCATIONAL COUNSELLORS	56	22	78	3.2
OTHER TEACHING & RELATED OCCUPATIONS, N.E.C.	46	19	65	2.7
OCCUPATIONS RELATED TO MANAGEMENT & ADMINISTRATION	52	3	55	2.3
CHILD-CARE OCCUPATIONS	47	6	53	2.2
OCCUPATIONS IN LABOURING & OTHER ELEMENTAL WORK	36	2	38	1.6
POLICE AGENTS & INVESTIGATORS, PRIVATE	29	3	32	1.3
TECHNICIANS IN LIBRARY, MUSEUM & ARCHIVAL SCIENCES	24	7	31	1.3
SALES CLERKS, COMMODITIES	21	8	29	1.2
TEACHERS OF EXCEPTIONAL STUDENTS, N.E.C.	23	3	26	1.1
TELLERS & CASHIERS	13	9	22	0.9
INSPECTORS & REGULATORY OFFICERS, GOVERNMENT	16	5	21	0.9
NURSES, GRADUATE, EXCEPT SUPERVISORS	19	1	20	0.8
FOOD & BEVERAGE PREPARATION & RELATED SERVICE OCCUPATIONS	12	8	20	0.8
NURSING, THERAPY & RELATED ASSISTING OCCUPATIONS, N.E.C.	15	5	20	0.8
GENERAL OFFICE CLERKS	14	5	19	0.8
COACHES, TRAINERS, INSTRUCTORS & MANAGERS, SPORT & RECREATION	12	6	18	0.7
OFFICIALS & ADMINISTRATORS UNIQUE TO GOVERNMENT, N.E.C.	15	0	15	0.6
OTHER CLERICAL & RELATED OCCUPATIONS, N.E.C.	14	1	15	0.6
LIBRARY & FILE CLERKS	12	1	13	0.5
RECEPTIONISTS & INFORMATION CLERKS	12	1	13	0.5
SECRETARIES & STENOGRAPHERS	11	1	12	0.5
SUPERVISORS: SALES OCCUPATIONS, COMMODITIES	9	2	11	0.5
NURSING ATTENDANTS	4	6	10	0.4
SUB-TOTAL	**1,777**	**292**	**2,092**	**87.1**
OTHER	**305**	**41**	**323**	**13.0**
TOTAL* **	**2,082**	**333**	**2,415**	**100.0**

* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** In this unit group, the specific occupations that college graduates find employment in are: Pre-School Teacher and Day-Care Worker Assistant.

*** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

C. HEALTH TECHNOLOGY PROGRAMS

This section discusses programs in the following fields:

- Animal Care
- Health Technology such as:
  Radiography
  Medical Laboratory Technology
  Dental Technology
  Chiropody
- Health Miscellaneous

1. Number of Graduates

In winter 1989, 5.7 per cent of the college graduates in Ontario were enrolled in Health Technology programs. 1,228 students graduated from English-language programs, 12 from French-language programs, and 26 from Bilingual programs (Table 10).

2. Employment Status of Graduates

Six months after graduation, 95.2 per cent of the Health Technology graduates in the labour force were employed; only 4.8 per cent were unemployed, compared with the overall unemployment rate of 7.2 per cent.

3. Relationship Between Job and Program of Study

On average, 77.9 per cent of the Health Technology graduates in the labour force were employed in full-time jobs related to their program of study.

Specific programs with more than 85 per cent of the graduates in the labour force employed in full-time jobs related to their studies included:

- Funeral Services
- Animal Care (2-year and 3-year)
- Pharmacy Assistant
- Orthotic/Prosthetic Technician

Programs in which fewer than 60 per cent of the graduates in the labour force were employed in related full-time jobs include:

- Medical Laboratory Technology
- Chiropody
- Dental Hygiene - Expanded Duties
- Equine Studies - Horse Care and Equine Skills

4. Annual Earnings of Graduates

Overall, graduates from the Health Technology programs were the second-highest-paid group and earned an average annual salary of $24,843. Some programs within this area commanded much higher salaries. For example, Dental Hygiene graduates earned $44,825, Denture Therapy graduates earned $36,329, and Chiropody graduates earned $30,904.

5. Industry Sectors

About 80 per cent of the graduates who were working at the time of the survey were employed in the Health and Social Service industries.

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 11. This provides an indication of the types of industries hiring graduates from the Health Technology programs. The top five industries are as follows:

- Offices of Physicians, Surgeons, and Dentists
- Non-Institutional Health Services
- Hospitals
- Funeral Services
- Services Incidental to Livestock and Animal Specialties

6. Occupations

Health Technology graduates were concentrated in the major occupational group of Medicine and Health (85 per cent).

At the detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 12. This provides an indication of the types of occupations in which graduates from the Health Technology programs can find employment. The most common occupations include:

- Denturists, Dental Hygienists, and Dental Assistants
- Nursing, Therapy, and Related Assisting Occupations
- Funeral Directors, Embalmers and Related Occupations
- Medical Laboratory Technologists and Technicians

FIGURE 12

GRADUATES EMPLOYED FULL-TIME, HEALTH TECHNOLOGY PROGRAMS, NOVEMBER 1989

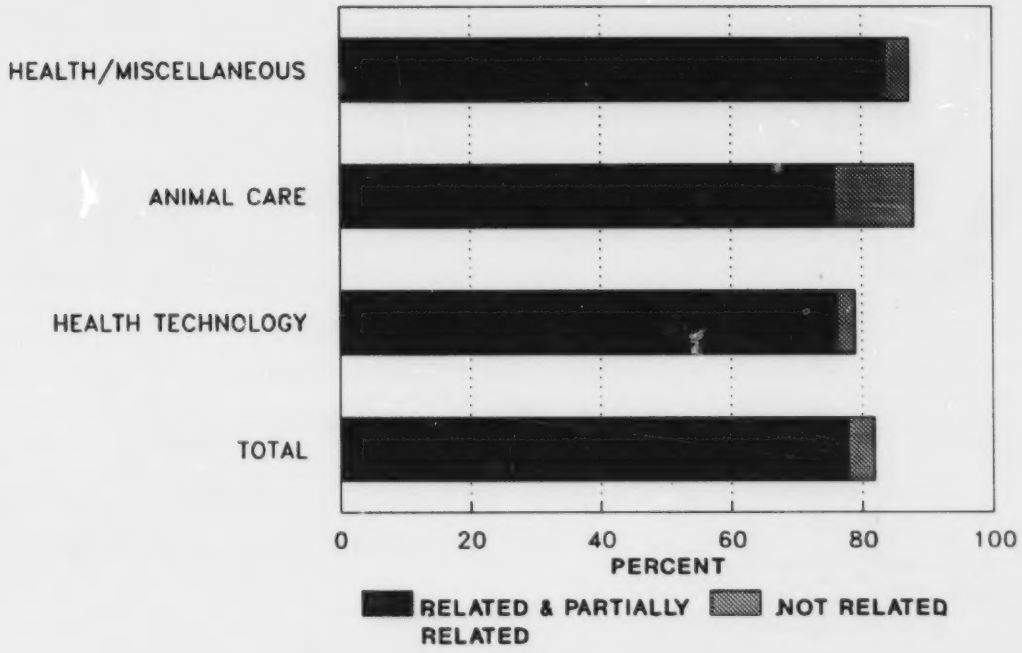

FIGURE 13

ANNUAL EARNINGS OF GRADUATES, HEALTH TECHNOLOGY PROGRAMS, NOVEMBER 1989

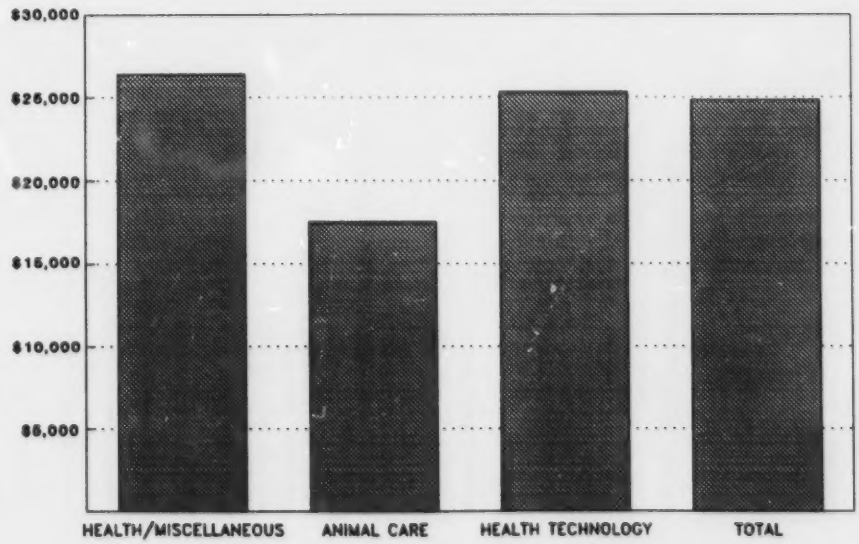

TABLE 10

EMPLOYMENT PICTURE OF COLLEGE GRADUATES, HEALTH TECHNOLOGY PROGRAMS, NOVEMBER 1989

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ANIMAL CARE										
ANIMAL CARE	1 YR	31	31	100.0	87.1	27	92.6	88.9	66.7	$14,298
ANIMAL HEALTH TECHNICIAN	2 YR	47	25	53.2	96.0	24	95.8	95.8	95.8	$17,244
ANIMAL CARE TECHNOLOGY	3 YR	27	23	85.2	100.0	23	100.0	95.7	91.3	$20,055
EQUINE STUDIES-HORSE CARE & EQUINE SKILLS	1 YR	16	15	93.8	60.0	9	77.8	44.4	22.2	--
EQUINE STUDIES	2 YR	15	12	80.0	66.7	8	87.5	87.5	62.5	$21,821
TOTAL		136	106	77.9	85.8	91	93.4	87.9	75.8	$17,523
HEALTH TECHNOLOGY										
OCCUPATIONAL THERAPY	3 YR	1	--	--	--	--	--	--	--	--
RADIOGRAPHY	2 YR	1	--	--	--	--	--	--	--	--
DENTAL TECHNOLOGY	3 YR	13	8	61.5	100.0	8	100.0	75.0	75.0	$20,017
MEDICAL LABORATORY TECHNOLOGY	3 YR	63	55	87.3	96.4	53	86.8	64.2	58.5	$28,412
CHIROPODY	3 YR	28	19	67.9	100.0	19	78.9	57.9	57.9	$30,904
PHARMACY ASSISTANT	1 YR	94	71	75.5	94.4	67	97.0	89.6	86.6	$22,046
ORTHOTIC/PROSTHETIC TECHNICIAN	2 YR	27	17	63.0	82.4	14	100.0	92.9	85.7	$27,771
DENTURE THERAPY	3 YR	15	5	33.3	100.0	5	100.0	80.0	80.0	$36,329
DENTAL ASSISTANT	1 YR	435	287	66.0	94.4	271	96.3	83.0	79.7	$18,619
DENTAL HYGIENE	2 YR	162	88	54.3	97.7	86	100.0	75.6	75.6	$44,825
DENTAL HYGIENE - EXPANDED DUTIES	P D	18	7	38.9	100.0	7	100.0	57.1	57.1	$53,845
TOTAL		857	557	65.0	95.2	530	95.7	79.6	76.8	$25,106
HEALTH-MISCELLANEOUS										
COMMUNITY GERONTOLOGY	2 YR	17	17	100	76.5	13	84.6	61.5	61.5	$18,284
AMBULANCE AND EMERGENCY CARE	1 YR	153	132	86.3	97.7	129	96.9	86.8	83.7	$28,537
FUNERAL SERVICE EDUCATION	2 YR	65	63	96.9	93.7	59	98.3	94.9	89.8	$23,030
TOTAL		235	212	90.2	94.8	201	96.5	87.6	84.1	$26,428
TOTAL ENGLISH PROGRAMS		1,228	875	71.3	93.9	822	95.6	82.5	78.5	$24,693

TABLE 10 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
FRENCH PROGRAMS										
HEALTH TECHNOLOGY										
MEDICAL LABORATORY TECHNOLOGY	3 YR	11	11	100.0	81.8	9	66.7	44.4	44.4	$26,855
DENTAL ASSISTANT	1 YR	1	--	--	--	--	--	--	--	--
TOTAL		12	12	100.0	83.3	10	70.0	50.0	50.0	$24,313
TOTAL FRENCH PROGRAMS		12	12	100.0	83.3	10	70.0	50.0	50.0	$24,313
BILINGUAL PROGRAMS										
HEALTH TECHNOLOGY										
DENTAL ASSISTANT	1 YR	7	6	85.7	50.0	3	100.0	100.0	100.0	--
DENTAL HYGIENE	2 YR	12	11	91.7	100.0	11	90.9	63.6	63.6	$41,823
TOTAL		19	17	89.5	82.4	14	92.9	71.4	71.4	$34,438
HEALTH-MISCELLANEOUS										
AMBULANCE AND EMERGENCY CARE	1 YR	7	2	28.6	100.0	2	50.0	50.0	50.0	--
TOTAL		7	2	28.6	100.0	2	50.0	50.0	50.0	--
TOTAL BILINGUAL PROGRAMS		26	19	73.1	84.2	16	87.5	68.8	68.8	$33,392
TOTAL HEALTH TECHNOLOGY PROGRAMS		1,266	906	71.6	93.6	848	95.2	81.8	77.9	$24,843

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 11

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, HEALTH TECHNOLOGY PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
OFFICES OF PHYSICIANS, SURGEONS AND DENTISTS, PRIVATE PRACTICE	249	44	293	42.0
NON-INSTITUTIONAL HEALTH SERVICES	128	15	143	20.5
HOSPITALS	83	17	100	14.3
FUNERAL SERVICES	53	1	54	7.7
SERVICES INCIDENTAL TO LIVESTOCK AND ANIMAL SPECIALTIES	33	0	33	4.7
MEDICAL AND OTHER HEALTH LABORATORIES	15	4	19	2.7
PRESCRIPTION DRUGS AND PATENT MEDICINE STORES	13	0	13	1.9
SUB-TOTAL	**574**	**81**	**655**	**93.9**
OTHER	**38**	**5**	**43**	**6.2**
TOTAL**	**612**	**86**	**698**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 12

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, HEALTH TECHNOLOGY PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
DENTURISTS, DENTAL HYGIENISTS, DENTAL ASSISTANTS	302	50	352	46.8
OTHER OCCUPATIONS IN MEDICINE & HEALTH, N.E.C.	114	3	117	15.6
NURSING, THERAPY & RELATED ASSISTING OCCUPATIONS	97	11	108	14.4
FUNERAL DIRECTORS, EMBALMERS & RELATED OCCUPATIONS	53	1	54	7.2
MEDICAL LABORATORY TECHNOLOGISTS & TECHNICIANS	29	10	39	5.2
HEALTH DIAGNOSING & TREATING OCCUPATIONS, N.E.C.	11	3	14	1.9
SUB-TOTAL	**606**	**78**	**684**	**91.0**
OTHER	**57**	**11**	**68**	**9.0**
TOTAL**	**663**	**89**	**752**	**100.0**

* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

D. NURSING AND RELATED PROGRAMS

This section discusses programs in the following fields:

- Nursing
- Nursing Assistant
- Postdiploma programs in Nursing

1. Number of Graduates

The total number of graduates from Nursing and Related programs in Winter 1989 was 1,690, or 7.6 per cent of the total number of college graduates in Ontario. Of these, 1,635 were in English-language programs, 38 in French-language programs, and 17 in Bilingual programs (Table 13).

2. Employment Status of Graduates

Almost all of the graduates from Nursing and Related programs were working six months after graduation. The employment rate for this group during the week of the survey was 98.4 per cent, compared with 92.8 per cent for all college graduates.

3. Relationship of Job to Program of Study

On average, 77.4 per cent of the Nursing and Related graduates in the labour force were employed full-time in jobs related to their programs of study, compared with 72.9 per cent for the rest of the graduates. An even higher proportion of graduates from the three-year Nursing program (83.2 per cent) were in related full-time jobs.

4. Annual Earnings of Graduates

Graduates of Nursing and Related programs were the highest-paid-group, earning an average annual salary of $30,323. Their salary was 38 per cent higher than the average salary for all graduates.

5. Industry Sectors

Almost all of the graduates from Nursing and Related programs (98 per cent) were employed in the Health and Social Services industries.

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 14. This provides an indication of the types of industries hiring graduates from Nursing and Related programs. The four most common industries are as follows:

- Hospitals
- Other Institutional Health and Social Services
- Health and Social Services Industries
- Non-Institutional Health Services

6. Occupations

Almost all the Nursing and Related graduates (99 per cent) found jobs in the major occupation group, Medicine and Health.

At the detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 15. This provides an indication of the types of occupations in which graduates from the Nursing and Related programs can find employment. The top four occupations are as follows:

- Nurses, Graduate, except Supervisors
- Registered Nursing Assistants
- Supervisors, Nursing Occupations
- Nursing Assistants

TABLE 13

EMPLOYMENT PICTURE OF COLLEGE GRADUATES, NURSING AND RELATED PROGRAMS, NOVEMBER 1989

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
HEALTH-NURSING RELATED										
NURSING	3 YR	1,234	977	79.2	97.7	955	98.8	83.6	83.2	$31,562
NURSING ASSISTANT	1 YR	335	226	67.5	93.8	212	95.8	54.2	51.9	$21,529
REGISTERED NURSE - REFRESHER	P D	18	0	0.0	--	--	--	--	--	--
REGISTERED NURSE - OPERATING ROOM	P D	14	0	0.0	--	--	--	--	--	--
INTERNATIONAL HEALTH SERVICE	P D	12	0	0.0	--	--	--	--	--	--
REG. NURSE - CRITICAL CARE NURSING	P D	22	0	0.0	--	--	--	--	--	--
TOTAL		1,635	1,203	73.6	97.0	1,167	98.3	78.2	77.5	$30,355
TOTAL ENGLISH PROGRAMS		1,635	1,203	73.6	97.0	1,167	98.3	78.2	77.5	$30,355
FRENCH PROGRAMS										
HEALTH-NURSING RELATED										
NURSING	3 YR	38	37	97.4	100.0	37	100.0	73.0	73.0	$29,873
TOTAL		38	37	97.4	100.0	37	100.0	73.0	73.0	$29,873
TOTAL FRENCH PROGRAMS		38	37	97.4	100.0	37	100.0	73.0	73.0	$29,873
BILINGUAL PROGRAMS										
HEALTH-NURSING RELATED										
NURSING	3 YR	11	8	72.7	87.5	7	100.0	85.7	85.7	$30,043
NURSING ASSISTANT	1 YR	6	5	83.3	60.0	3	100.0	66.7	66.7	--
TOTAL		17	13	76.5	76.9	10	100.0	80.0	80.0	$28,276
TOTAL BILINGUAL PROGRAMS		17	13	76.5	76.9	10	100.0	80.0	80.0	$28,276
TOTAL NURSING AND RELATED PROGRAMS		1,690	1,253	74.1	96.9	1,214	98.4	78.1	77.4	$30,323

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 14

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, NURSING AND RELATED PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
HOSPITALS	754	185	939	88.1
OTHER INSTITUTIONAL HEALTH AND SOCIAL SERVICES	42	22	64	6.0
HEALTH AND SOCIAL SERVICE INDUSTRIES	13	5	18	1.7
NON-INSTITUTIONAL HEALTH SERVICES	8	2	10	0.9
SUB-TOTAL	**817**	**214**	**1,031**	**96.7**
OTHER	**26**	**9**	**35**	**3.3**
TOTAL**	**843**	**223**	**1,066**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 15

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, NURSING AND RELATED PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
NURSES, GRADUATE, EXCEPT SUPERVISORS	746	127	873	76.8
REGISTERED NURSING ASSISTANTS	96	76	172	15.1
SUPERVISORS, NURSING OCCUPATIONS	43	8	51	4.5
NURSING ASSISTANTS	14	4	18	1.6
SUB-TOTAL	**899**	**215**	**1,114**	**98.0**
OTHER	**14**	**9**	**23**	**2.0**
TOTAL**	**913**	**224**	**1,137**	**100.0**

* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

E. TECHNOLOGY PROGRAMS

This section discusses programs in the following fields:

- Architectural
- Automotive
- Chemical/Biological
- Civil
- Drafting
- Electronics
- Industrial
- Instrumentation
- Mechanical
- Power
- Resources
- Other

1. Number of Graduates

In winter 1989, Technology graduates represented 17.8 per cent of the total number of college graduates in Ontario. Of these, 3,858 graduates were enrolled in English-language programs, 65 in French-language programs, and 34 in Bilingual programs (Table 16).

Within this area, almost two-thirds of the graduates were enrolled in programs in the following four fields:

- Electronics
- Mechanics
- Civil
- Resources

2. Employment Status of Graduates

Six months after graduation, 91.6 per cent of the Technology graduates in the labour force were working. The average unemployment rate for this group was 8.4 per cent, compared with 7.2 per cent for all college graduates.

Technology graduates with above-average employment rates were enrolled in the following fields:

- Civil
- Drafting
- Instrumentation
- Architectural
- Power
- Electronics

Technology graduates with less than 90 per cent employment rate six months after graduation had been enrolled in the following fields:

- Industrial
- Resources
- Chemical/Biological

3. Relationship Between Job and Program of Study

Overall, 77.3 per cent of the Technology graduates in the labour force were employed in full-time jobs related to their training programs, compared with 72.9 per cent for all college graduates.

Technology fields with more than 80 per cent of the graduates in the labour force employed in full-time jobs related to their training programs included:

- Civil
- Welding
- Aviation
- Architectural
- Instrumentation
- Automotive

Technology fields with a below-average proportion of graduates in the labour force in full-time related employment were as follows:

- Industrial
- Chemical/Biological
- Resources
- Special

4. Annual Earnings of Graduates

Technology graduates were the third-highest-paid group. On average, they earned an annual starting salary of $23,404.

The highest-paid graduates in the Technology area were those in the Power Engineering programs. They earned an annual salary of $30,799, followed by Industrial graduates ($27,088), and Instrumentation graduates ($26,873).

The lowest-paid graduates in the Technology area were in the Drafting ($20,127) and Automotive ($21,201) fields.

5. Industry Sectors

Technology graduates were dispersed over a wide range of industry sectors:

• Manufacturing	24.9%
• Business Services	17.4%
• Construction	13.2%
• Transportation/Communication and Other	12.3%
• Public Administration	11.7%
• Trade	9.4%
• Agriculture and Other Primary	5.2%
• Other	5.9%
Total	100.0%

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 17. This provides an indication of the types of industries hiring graduates from Technology programs. The top five industries are as follows:

- Architectural, Engineering and Other Scientific and Technical Services
- Economic Services Administration
- Air Transport Industries
- Computer and Related Services
- Telecommunication Carriers Industry

6. Occupations

Technology graduates employed during the week of the survey were working in the following major occupation groups:

• Natural Sciences and Engineering	43.9%
• Processing/Machining and Fabricating	22.0%
• Construction	9.4%
• Managerial	5.2%
• Sales	4.5%
• Other	15.0%
Total	100.0%

The more detailed occupational breakdown presented in Table 18 indicates that the top eight occupations for Technology graduates were as follows:

- Architectural and Engineering Technologists and Technicians
- Drafting Occupations
- Electronic and Related Equipment Installation
- Systems Analysts, Computer Programmers and Related Occupations
- Life Science Technologists and Technicians
- Physical Science Technologists and Technicians
- Aircraft Mechanics and Repairers
- Surveyors

FIGURE 14

GRADUATES EMPLOYED FULL-TIME, TECHNOLOGY PROGRAMS, NOVEMBER 1989

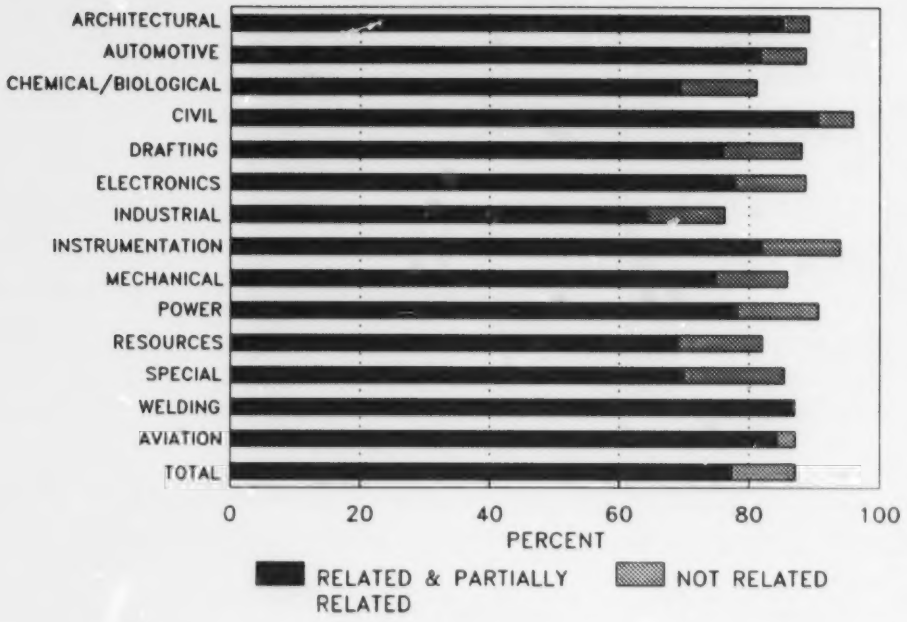

FIGURE 15

ANNUAL EARNINGS OF GRADUATES, TECHNOLOGY PROGRAMS, NOVEMBER 1989

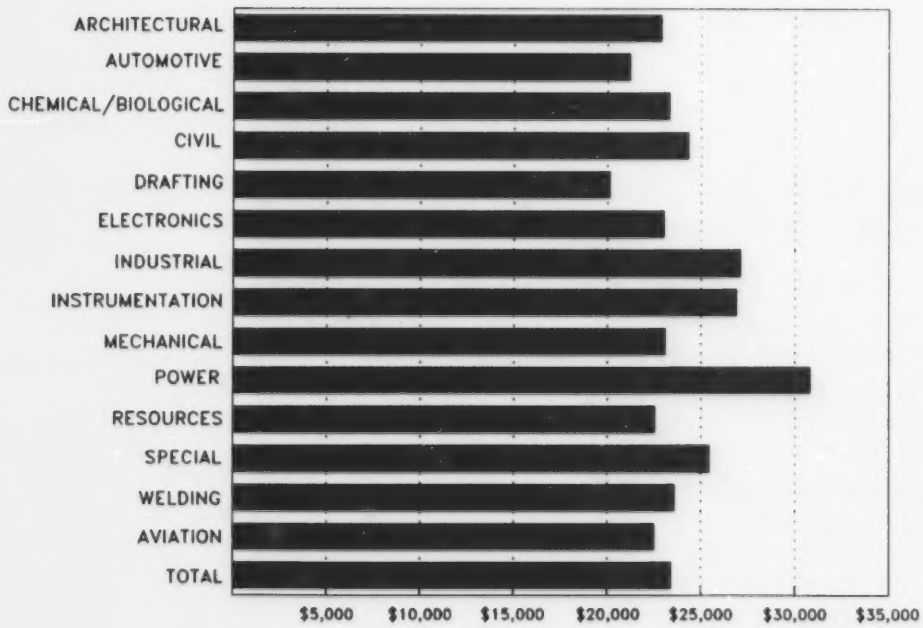

TABLE 16

EMPLOYMENT PICTURE OF COLLEGE GRADUATES,
TECHNOLOGY PROGRAMS,
NOVEMBER 1989

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ARCHITECTURAL										
ARCHITECTURAL TECHNICIAN	2 YR	130	106	81.5	46.2	49	85.7	77.6	71.4	$21,927
ARCHITECTURAL TECHNOLOGY	3 YR	144	102	70.8	86.3	88	98.9	95.5	92.0	$23,730
TOTAL		274	208	75.9	65.9	137	94.2	89.1	84.7	$23,185
AUTOMOTIVE										
MOTIVE POWER TECHNIQUES - HEAVY EQUIP.	1 YR	17	10	58.8	100.0	10	90.0	90.0	60.0	$19,652
MOTIVE POWER TECHNICIAN	2 YR	114	63	55.3	96.8	61	91.8	88.5	85.2	$21,386
TOTAL		131	73	55.7	97.3	71	91.5	88.7	81.7	$21,201
CHEMICAL/BIOLOGICAL										
CHEMICAL ENGINEERING TECHNICIAN	2 YR	98	71	72.4	84.5	60	95.0	81.7	58.3	$22,312
CHEMICAL ENGINEERING TECHNOLOGY	3 YR	174	115	66.1	95.7	110	85.5	80.0	73.6	$23,346
CHEMICAL TECHNOLOGY - BIOCHEMICAL	3 YR	2	2	100.0	50.0	1	--	--	--	--
METALLURGICAL ENGINEERING TECHNOLOGY	3 YR	6	5	83.3	100.0	5	80.0	80.0	80.0	$27,611
TOTAL		280	193	68.9	91.2	176	88.6	80.7	68.8	$23,143
CIVIL										
CONSTRUCTION CARPENTRY TECHNIQUES	1 YR	13	4	30.8	100.0	4	100.0	75.0	50.0	--
CIVIL ENGINEERING TECHNICIAN	2 YR	206	165	80.1	76.4	126	96.0	92.9	84.1	$23,815
CIVIL ENGINEERING TECHNOLOGY	3 YR	191	117	61.3	94.9	111	100.0	100.0	99.1	$24,987
CONSTRUCTION ENGINEERING TECHNICIAN	2 YR	5	1	20.0	--	--	--	--	--	--
TOTAL		415	287	69.2	84.0	241	97.9	95.9	90.5	$24,336

TABLE 16 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
DRAFTING										
DRAFTING TECHNICIAN	2 YR	37	30	81.1	83.3	25	96.0	88.0	76.0	$20,127
MECHANICAL ENG. TECHN - DRAFTING	2 YR	2	0	0.0	--	--	--	--	--	--
TOTAL		39	30	76.9	83.3	25	96.0	88.0	76.0	$20,127
ELECTRONICS										
ELECTRONICS ENGINEERING TECHNICIAN	2 YR	469	305	65.0	88.9	271	91.9	86.0	72.0	$21,718
ELECTRONICS ENGINEERING TECHNOLOGY	3 YR	379	252	66.5	92.9	234	94.4	90.6	82.1	$24,173
ELECTRICAL ENG. TECHY - POWER SYSTEMS	3 YR	2	1	50.0	--	--	--	--	--	--
ELECTRICAL ENGINEERING TECHNOLOGY	3 YR	13	7	53.8	100.0	7	100.0	100.0	100.0	$29,188
TOTAL		863	565	65.5	90.8	513	93.2	88.3	77.0	$23,026
INDUSTRIAL										
INDUSTRIAL ENGINEERING TECHNICIAN	2 YR	42	21	50.0	81.0	17	70.6	70.6	70.6	$25,990
INDUSTRIAL ENGINEERING TECHNOLOGY	3 YR	38	13	34.2	92.3	12	75.0	75.0	50.0	$27,560
MATERIALS TESTING TECHNICIAN	2 YR	11	7	63.6	100.0	7	85.7	85.7	71.4	$22,731
SAFETY ENGINEERING TECHNOLOGY	3 YR	6	6	100.0	100.0	6	83.3	83.3	66.7	$37,800
TOTAL		97	47	48.5	89.4	42	76.2	76.2	64.3	$27,088
INSTRUMENTATION										
INSTRUMENTATION ENGINEERING TECHN	2 YR	30	24	80.0	91.7	22	90.9	90.9	77.3	$26,224
INSTRUMENTATION ENGINEERING TECHY	3 YR	28	20	71.4	100.0	20	95.0	95.0	85.0	$27,673
INSTRUMENTATION ENG TECHN - INDUSTRIAL	2 YR	8	1	12.5	--	--	--	--	--	--
INSTRUMENTATION ENG TECHY - INDUSTRIAL	3 YR	18	7	38.9	100.0	7	100.0	100.0	85.7	$26,211
TOTAL		84	52	61.9	96.2	50	94.0	94.0	82.0	$26,873

TABLE 16 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
MECHANICAL										
MECHANICAL ENGINEERING TECHNICIAN	2 YR	272	177	65.1	88.7	157	93.6	84.1	73.2	$22,867
MECHANICAL ENGINEERING TECHNOLOGY	3 YR	238	150	63.0	90.7	136	90.4	89.0	80.9	$25,529
MACHINE SHOP	1 YR	41	19	46.3	94.7	18	72.2	72.2	38.9	$15,121
MECHANICAL ENG. TECHN - MACHINING	2 YR	124	73	58.9	91.8	67	94.0	88.1	77.6	$19,840
MECH TECHN - NUMERICAL CONTROL MACHINING	3 YR	29	11	37.9	100.0	11	100.0	72.7	63.6	$22,677
MANUFACTURING ENGINEERING TECHNICIAN	2 YR	7	2	28.6	100.0	2	100.0	100.0	100.0	--
MANUFACTURING ENGINEERING TECHNOLOGY	3 YR	1	--	--	--	--	--	--	--	--
TOTAL		712	432	60.7	90.5	391	91.8	85.7	74.9	$23,142
POWER										
STATIONARY ENGINEERING	2 YR	36	21	58.3	100.0	21	90.5	85.7	71.4	$31,760
STATIONARY ENGINEERING TECHNOLOGY	3 YR	14	11	78.6	100.0	11	100.0	100.0	90.9	$29,453
TOTAL		50	32	64.0	100.0	32	93.8	90.6	78.1	$30,799
RESOURCES										
GEOSCIENCE DATA TECHNICIAN	2 YR	8	8	100.0	37.5	3	100.0	100.0	100.0	--
RESOURCES ENGINEERING TECHNICIAN	2 YR	16	9	56.3	88.9	8	75.0	75.0	75.0	$22,111
RESOURCES ENGINEERING TECHNOLOGY	3 YR	17	10	58.8	100.0	10	100.0	100.0	80.0	$26,063
ENVIRONMENTAL PEST MANAGEMENT	2 YR	5	4	80.0	100.0	4	75.0	75.0	75.0	--
RESOURCES ENG. TECHY - ENVIRONMENTAL	3 YR	3	0	0.0	--	--	--	--	--	--
TERRAIN & WATER RESOURCES TECHNICIAN	2 YR	37	34	91.9	32.4	11	100.0	90.9	90.9	$22,063
TERRAIN GEOLOGY TECHNOLOGY	3 YR	11	10	90.9	100.0	10	100.0	100.0	90.0	$25,167
AQUACULTURE TECHNICIAN	2 YR	35	28	80.0	100.0	28	96.4	85.7	57.1	$17,933
FISH AND WILDLIFE TECHNICIAN	2 YR	54	51	94.4	51.0	26	92.3	88.5	65.4	$18,475
FISH AND WILDLIFE TECHNOLOGY	3 YR	13	13	100.0	100.0	13	69.2	61.5	61.5	$24,935
FORESTRY TECHNICIAN	2 YR	122	94	77.0	74.5	70	72.9	70.0	55.7	$23,091
FORESTRY TECHNOLOGY	3 YR	15	14	93.3	92.9	13	84.6	69.2	61.5	$23,363
FOREST MANAGEMENT TECHNOLOGY	3 YR	6	4	66.7	100.0	4	75.0	75.0	75.0	--

TABLE 16 (Cont'd)

ENGLISH PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
RESOURCES (Cont'd)										
FOREST RECREATION TECHNICIAN	2 YR	60	55	91.7	65.5	36	91.7	88.9	75.0	$20,396
PARKS & FOREST RECREATION TECHNOLOGY	3 YR	15	15	100.0	100.0	15	100.0	100.0	86.7	$19,528
RESOURCES TECHNICIAN - DRILLING	2 YR	13	10	76.9	100.0	10	70.0	70.0	50.0	$28,423
GEOLOGICAL ENGINEERING TECHNICIAN	2 YR	5	5	100.0	80.0	4	100.0	100.0	100.0	$20,254
GEOLOGICAL ENGINEERING TECHNOLOGY	3 YR	19	15	78.9	93.3	14	100.0	100.0	92.9	$20,978
MINING ENGINEERING TECHNICIAN	2 YR	16	14	87.5	50.0	7	85.7	85.7	85.7	$29,735
MINING ENGINEERING TECHNOLOGY	3 YR	10	8	80.0	87.5	7	100.0	100.0	100.0	$32,654
TOTAL		480	401	83.5	73.1	293	86.7	82.9	70.0	$22,348
SPECIAL										
MUSEUM TECHNOLOGY	3 YR	18	15	83.3	93.3	14	57.1	57.1	28.6	$21,118
SMALL CRAFT AND MARINA TECHNICIAN	2 YR	8	6	75.0	100.0	6	83.3	66.7	33.3	--
FIRE PROTECTION TECHNICIAN	2 YR	41	19	46.3	89.5	17	88.2	76.5	41.2	$23,806
FIRE PROTECTION TECHNOLOGY	3 YR	14	4	28.6	100.0	4	75.0	75.0	75.0	--
MANUFACTURING TECHN - WOOD PRODUCTS	2 YR	30	29	96.7	96.6	28	96.4	96.4	89.3	$20,428
FURNITURE TECHNICIAN	2 YR	32	17	53.1	70.6	12	100.0	83.3	75.0	$18,589
FIBRE/PLASTIC COMPOSITES ENG. TECHY	3 YR	8	1	12.5	--	--	--	--	--	--
HEAVY EQUIPMENT TECHN - CONSTRUCTION	2 YR	25	25	100.0	100.0	25	100.0	100.0	92.0	$27,928
MARINE ENGINEERING TECHNOLOGY	3 YR	22	16	72.7	100.0	16	93.8	87.5	75.0	$37,386
TOTAL		198	132	66.7	93.2	123	90.2	85.4	69.9	$25,427
WELDING										
WELDING TECHNIQUES	1 YR	9	5	55.6	100.0	5	60.0	60.0	60.0	--
WELDING ENGINEERING TECHNICIAN	2 YR	23	14	60.9	100.0	14	100.0	92.9	92.9	$24,019
WELDING ENGINEERING TECHNOLOGY	3 YR	5	5	100.0	80.0	4	100.0	100.0	100.0	$28,091
TOTAL		37	24	64.9	95.8	23	91.3	87.0	87.0	$23,586

TABLE 16 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
AVIATION										
AIR CARRIER/AIRPORT MANAGEMENT	2 YR	10	8	80.0	100.0	8	87.5	75.0	75.0	$21,751
AVIATION TECHN - AVIONICS MAINTENANCE	2 YR	16	11	68.8	90.9	10	90.0	90.0	60.0	$21,014
AVIATION TECHN - AIRCRAFT MAINTENANCE	2 YR	85	65	76.5	100.0	65	95.4	92.3	92.3	$22,663
AVIATION ENGINEERING TECHNICIAN	2 YR	2	1	50.0	--	--	--	--	--	--
AVIATION ENGINEERING TECHNOLOGY	3 YR	17	16	94.1	100.0	16	100.0	100.0	100.0	$22,378
AVIATION FLIGHT TECHNOLOGY	3 YR	51	32	62.7	84.4	27	74.1	70.4	70.4	$21,174
AVIATION PILOT - ROTARY WING	P D	17	15	88.2	93.3	14	92.9	85.7	78.6	$25,239
TOTAL		198	148	74.7	94.6	140	90.7	87.1	84.3	$22,497
TOTAL ENGLISH PROGRAMS		3,858	2,624	68.0	86.0	2,257	91.7	87.1	77.2	$23,410
FRENCH PROGRAMS										
ARCHITECTURAL										
ARCHITECTURAL TECHNICIAN	2 YR	17	14	82.4	50.0	7	85.7	85.7	85.7	$19,544
ARCHITECTURAL TECHNOLOGY	3 YR	4	4	100.0	100.0	4	100.0	100.0	100.0	$19,500
TOTAL		21	18	85.7	61.1	11	90.9	90.9	90.9	$19,526
CHEMICAL/BIOLOGICAL										
CHEMICAL ENGINEERING TECHNOLOGY	3 YR	1	--	--	--	--	--	--	--	--
TOTAL		1	--	--	--	--	--	--	--	--
ELECTRONICS										
ELECTRONICS ENGINEERING TECHNICIAN	2 YR	8	7	87.5	100.0	7	100.0	100.0	100.0	$20,909
ELECTRONICS ENGINEERING TECHNOLOGY	3 YR	6	6	100.0	100.0	6	100.0	100.0	83.3	$24,574
TOTAL		14	13	92.9	100.0	13	100.0	100.0	92.3	$22,436

TABLE 16 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY		GRADS IN LABOUR FORCE		PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
			#	%	%	#				
FRENCH PROGRAMS										
MECHANICAL										
MECHANICAL ENGINEERING TECHNOLOGY	3 YR	7	7	100.0	85.7	6	83.3	83.3	66.7	$21,356
MECHANICAL ENG. TECH - MACHINING	2 YR	7	6	85.7	83.3	5	100.0	100.0	80.0	$22,004
TOTAL		14	13	92.9	84.6	11	90.9	90.9	72.7	$21,680
RESOURCES										
FORESTRY TECHNICIAN	2 YR	15	14	93.3	92.9	13	61.5	61.5	46.2	$28,323
TOTAL		15	14	93.3	92.9	13	61.5	61.5	46.2	$28,323
TOTAL FRENCH PROGRAMS		65	58	89.2	82.8	48	85.4	85.4	75.0	$22,441
BILINGUAL PROGRAMS										
ARCHITECTURAL										
ARCHITECTURAL TECHNICIAN	2 YR	1	--	--	--	--	--	--	--	--
TOTAL		1	--	--	--	--	--	--	--	--
CHEMICAL/BIOLOGICAL										
CHEMICAL ENGINEERING TECHNOLOGY	3 YR	6	5	83.3	80.0	4	100.0	100.0	100.0	$28,245
TOTAL		6	5	83.3	80.0	4	100.0	100.0	100.0	$28,245
ELECTRONICS										
ELECTRONICS ENGINEERING TECHNICIAN	2 YR	16	16	100.0	43.8	7	100.0	100.0	100.0	$21,950
ELECTRONICS ENGINEERING TECHNOLOGY	3 YR	11	9	81.8	100.0	9	88.9	88.9	88.9	$25,304
TOTAL		27	25	92.6	64.0	16	93.8	93.8	93.8	$23,739
TOTAL BILINGUAL PROGRAMS		34	31	91.2	64.5	20	95.0	95.0	95.0	$24,687
TOTAL TECHNOLOGY PROGRAMS		3,957	2,713	68.6	85.7	2,325	91.6	87.1	77.3	$23,404

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 17
DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, TECHNOLOGY PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
ARCHITECTURAL, ENGINEERING AND OTHER SCIENTIFIC & TECHNICAL SERVICES	233	0	233	13.1
ECONOMIC SERVICES ADMINISTRATION	139	0	139	7.8
AIR TRANSPORT INDUSTRIES	70	0	70	4.0
COMPUTER AND RELATED SERVICES	55	0	55	3.1
TELECOMMUNICATION CARRIERS INDUSTRY	44	1	45	2.5
RESIDENTIAL BUILDING AND DEVELOPMENT	42	0	42	2.4
ELECTRIC POWER SYSTEMS INDUSTRY	39	0	39	2.2
METAL MINES	35	0	35	2.0
AIRCRAFT AND AIRCRAFT PARTS INDUSTRY	34	0	34	1.9
COMMUNICATION AND OTHER ELECTRONIC EQUIPMENT INDUSTRIES	33	1	34	1.9
HIGHWAY AND HEAVY CONSTRUCTION	29	0	29	1.6
OTHER MACHINERY AND EQUIPMENT INDUSTRIES	26	1	27	1.5
GENERAL ADMINISTRATIVE SERVICES	27	0	27	1.5
OFFICE, STORE AND BUSINESS MACHINE INDUSTRIES	24	0	24	1.4
INDUSTRIAL CONSTRUCTION (OTHER THAN BUILDINGS)	23	0	23	1.3
ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT	23	0	23	1.3
HARDWARE, TOOL AND CUTLERY INDUSTRIES	20	1	21	1.2
MOTOR VEHICLE INDUSTRY	21	0	21	1.2
PLUMBING, HEATING AND AIR CONDITIONING, MECHANICAL WORK	20	0	20	1.1
PROJECT MANAGEMENT, CONSTRUCTION	19	0	19	1.1
PULP AND PAPER INDUSTRIES	18	0	18	1.0
MACHINE SHOP INDUSTRY	18	0	18	1.0
SITE WORK	16	1	17	1.0
SERVICES INCIDENTAL TO FISHING	15	1	16	0.9
HOUSEHOLD FURNITURE INDUSTRIES	14	2	16	0.9
MOTOR VEHICLE REPAIR SHOPS	15	1	16	0.9
ELECTRICAL WORK	14	1	15	0.9
TELECOMMUNICATION BROADCASTING INDUSTRIES	14	1	15	0.9
MOTOR VEHICLE PARTS AND ACCESSORIES INDUSTRIES	15	0	15	0.9
GENERAL MERCHANDISE STORES	11	4	15	0.9
NON-RESIDENTIAL BUILDING AND DEVELOPMENT	13	0	13	0.7
CONCRETE PRODUCTS INDUSTRIES	12	0	12	0.7

TABLE 17 (Cont'd)

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
POSTSECONDARY NON-UNIVERSITY EDUCATION	9	3	12	0.7
OTHER MACHINERY, EQUIPMENT AND SUPPLIES, WHOLESALE	12	0	12	0.7
TRANSPORTATION INDUSTRIES	11	0	11	0.6
DEFENCE SERVICES	10	1	11	0.6
OTHER BUSINESS SERVICES	9	1	10	0.6
HOSPITALS	9	1	10	0.6
AUTOMOBILE DEALERS	10	0	10	0.6
SUB-TOTAL	**1,201**	**21**	**1,222**	**68.3**
OTHER	**525**	**26**	**551**	**31.8**
TOTAL**	**1,726**	**47**	**1,773**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 18

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, TECHNOLOGY PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
ARCHITECTURAL & ENGINEERING TECHNOLOGISTS & TECHNICIANS	363	2	365	19.4
DRAFTING OCCUPATIONS	168	5	173	9.2
ELECTRONIC & RELATED EQUIPMENT INSTALLING AND REPAIRING OCCUPATIONS, N.E.C.	70	0	70	3.7
SYSTEMS ANALYSTS, COMPUTER PROGRAMMERS & RELATED OCCUPATIONS	53	3	56	3.0
LIFE SCIENCE TECHNOLOGISTS & TECHNICIANS	56	0	56	3.0
PHYSICAL SCIENCE TECHNOLOGISTS & TECHNICIANS	55	0	55	2.9
AIRCRAFT MECHANICS & REPAIRERS	54	0	54	2.9
SURVEYORS	51	1	52	2.8
WIRE COMMUNICATIONS & RELATED EQUIPMENT INSTALLING & REPAIRING OCCUPATIONS	41	1	42	2.2
OCCUPATIONS IN LABOURING & OTHER ELEMENTAL	35	0	35	1.9
INDUSTRIAL, FARM & CONSTRUCTION MACHINERY & MECHANICS & REPAIRERS	33	1	34	1.8
TECHNICAL SALES OCCUPATIONS & RELATED ADVISERS	34	0	34	1.8
MACHINIST & MACHINE-TOOL SETTING-UP OCCUPATIONS	30	1	31	1.7
OCCUPATIONS RELATED TO MANAGEMENT & ADMINISTRATION, N.E.C	28	0	28	1.5
MANAGEMENT OCCUPATIONS, CONSTRUCTION OPERATIONS	27	0	27	1.4
PRECISION-INSTRUMENT MECHANICS & REPAIRERS	24	0	24	1.3
STATIONARY ENGINE & AUXILIARY EQUIPMENT OPERATING & MAINTAINING OCCUPATIONS	23	0	23	1.2
AIR PILOTS, NAVIGATORS & FLIGHT ENGINEERS	21	1	22	1.2
CONSTRUCTION ELECTRICIANS & REPAIR WORKERS	21	0	21	1.1
ELECTRICAL & RELATED EQUIPMENT INSTALLING & REPAIRING OCCUPATIONS, N.E.C.	19	0	19	1.0
INSPECTING & TESTING OCCUPATIONS, CONSTRUCTION EXCEPT ELECTRICAL	18	0	18	1.0
NURSERY & RELATED WORKERS	18	0	18	1.0
SALES OCCUPATIONS COMMODITIES, N.E.C.	17	1	18	1.0
MECHANICS & REPAIRERS, EXCEPT ELECTRICAL, N.E.C.	16	0	16	0.9
TOOL & DIE MAKING OCCUPATIONS	15	1	16	0.9
INDUSTRIAL ENGINEERS	16	0	16	0.9
INSPECTORS & REGULATORY OFFICERS, GOVERNMENT	15	0	15	0.8
EXCAVATING, GRADING & RELATED OCCUPATIONS	14	0	14	0.8
CARPENTER & RELATED OCCUPATIONS	14	0	14	0.8

TABLE 18 (Cont'd)

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
MOTOR-VEHICLE MECHANICS & REPAIRERS	13	1	14	0.8
FISHING, HUNTING, TRAPPING & RELATED OCCUPATIONS	12	0	12	0.6
OTHER OCCUPATIONS IN ARCHITECTURE & ENGINEERING, N.E.C.	11	1	12	0.6
INSPECTING & TESTING OCCUPATIONS: FABRICATING	12	0	12	0.6
OTHER CLERICAL & RELATED OCCUPATIONS, N.E.C.	11	1	12	0.6
OTHER FARMING, HORTICULTURAL & ANIMAL-HUSBANDRY OCCUPATIONS, N.E.C.	11	0	11	0.6
ELECTRONIC EQUIPMENT FABRICATING & ASSEMBLING OCCUPATIONS	11	0	11	0.6
FOREMEN/WOMEN, OTHER CONSTRUCTION TRADES OCCUPATIONS	11	0	11	0.6
OFFICIALS & ADMINISTRATORS UNIQUE TO GOVERNMENT	10	0	10	0.5
WELDING & FLAME CUTTING OCCUPATIONS	10	0	10	0.5
SALES CLERKS, COMMODITIES	7	3	10	0.5
SUB-TOTAL	**1,462**	**23**	**1,331**	**80.3**
OTHER	**366**	**27**	**547**	**19.7**
TOTAL**	**1,828**	**50**	**1,878**	**100.0**

* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

F. OFFICE AND BUSINESS ADMINISTRATION PROGRAMS

This section discusses programs in the following fields:

- Business Computer
- Office Administration - Health
- Office Administration - Legal
- Office Administration - General
- Management Miscellaneous
- Accounting Finance
- Recreation Facilities
- Government Real Estate
- Human Resources/Industrial Relations
- Business - Marketing/Retail Sales
- Materials Management
- Small Business
- Business - Legal
- Business - Travel/Tourism

1. Number of Graduates

The largest group of college graduates in the survey was from the Office and Business Administration programs. There were 6,651 from English-language programs, 108 from French-language programs, and 139 from Bilingual programs, for a total of 6,898 or almost a third of the total number of college graduates in Ontario (Table 19).

Just over two-thirds of the graduates in this area were enrolled in four fields:

- Management Miscellaneous
- Marketing/Retail Sales
- Office Administration
- Accounting Finance

2. Employment Status of Graduates

Six months after graduation, with 92.3 per cent of the Office and Business Administration graduates in the labour force working, the unemployment rate for this group (7.7 per cent) was only slightly higher than the average for all graduates.

All the graduates from the Recreation Facilities program found employment within six months of graduation. Graduates from programs in the Small Business field and Business Legal field also had relatively higher employment rates.

In November 1989, approximately 9 per cent of the Office Administration - Health, Office Administration - General, Accounting/Finance, and Materials Management graduates in the labour force were still looking for work.

Although there were relatively few Government Real Estate graduates in the labour force, they had the highest unemployment rate in this group: 12 per cent of the graduates in the labour force were still looking for work.

3. **Relationship of Job to Program of Study**

Overall, 74.7 per cent of the Office and Business Administration graduates in the labour force were employed full-time in jobs related to their program of study. Their performance compared favourably with that of the rest of the college graduates.

Within this program area, fields with more than 80 per cent of the graduates in the labour force employed in full-time jobs related to their training programs were as follows:

- Recreation Facilities
- Business Legal
- Business Computer
- Office Administration - Legal
- Materials Management

Fields with a below-average proportion of graduates in the labour force in full-time jobs related to their program of study were as follows:

- Business Travel and Tourism
- Government Real Estate
- Human Resources/Industrial Relations

4. **Annual Earnings of Graduates**

Graduates from the Office and Business Administration programs earned $20,062, which is below the average annual starting salary for all graduates.

In this group, the highest salaries were earned by graduates in the Business - Computer field ($24,879), followed by Materials Management ($23,479) and Recreation Facilities ($22,962).

The average annual starting salaries for graduates from the Business Legal, Office Administration - Legal, and Office Administration - General fields was less than $20,000. The starting salaries for graduates from the Business Travel and Tourism programs was $15,689.

5. **Industry**

Graduates from the Office and Business Administration area were dispersed over a larger number of industry sectors:

• Business Services	18.7%
• Trade	18.7%
• Manufacturing	12.3%
• Finance/Insurance and Real Estate	11.9%
• Public Administration	8.6%
• Health and Social Services	8.5%
• Accommodation/Food/Beverage and Others	7.4%
• Other	13.9%
Total	100.0%

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 20. This provides an indication of the types of industries hiring graduates from Office and Business Administration programs. The top five industries were as follows:

- Offices of Lawyers and Notaries
- Hospitals
- Accounting and Bookkeeping Services
- Insurance and Real Estate Agencies
- General Merchandise Stores

6. Occupations

At the time of the survey, graduates from the Office and Business Administration programs who were employed found jobs in the following major occupation groups:

• Clerical	56.5%
• Sales	14.9%
• Managerial	10.0%
• Natural Science and Engineering	5.2%
• Social Sciences	4.1%
• Other	9.3%
Total	100.0%

At the detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 21. This provides an indication of the types of occupations in which graduates from the Office and Business Administration programs can find employment. The five most common occupations included:

- Secretaries and Stenographers
- Bookkeepers and Accounting Clerks
- General Office Clerks
- Supervisors, Sales Occupations, Commodities
- Systems Analysts, Computer Programmers and Related Occupations

FIGURE 16

GRADUATES EMPLOYED FULL-TIME, OFFICE AND BUSINESS ADMINISTRATION PROGRAMS, NOVEMBER 1989

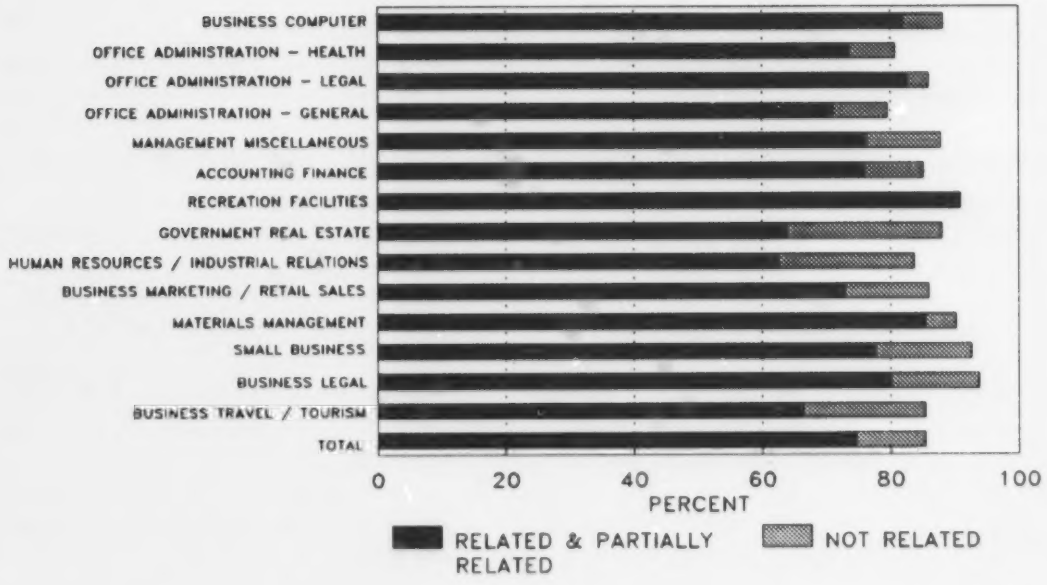

FIGURE 17

ANNUAL EARNINGS OF GRADUATES, OFFICE AND BUSINESS ADMINISTRATION PROGRAMS, NOVEMBER 1989

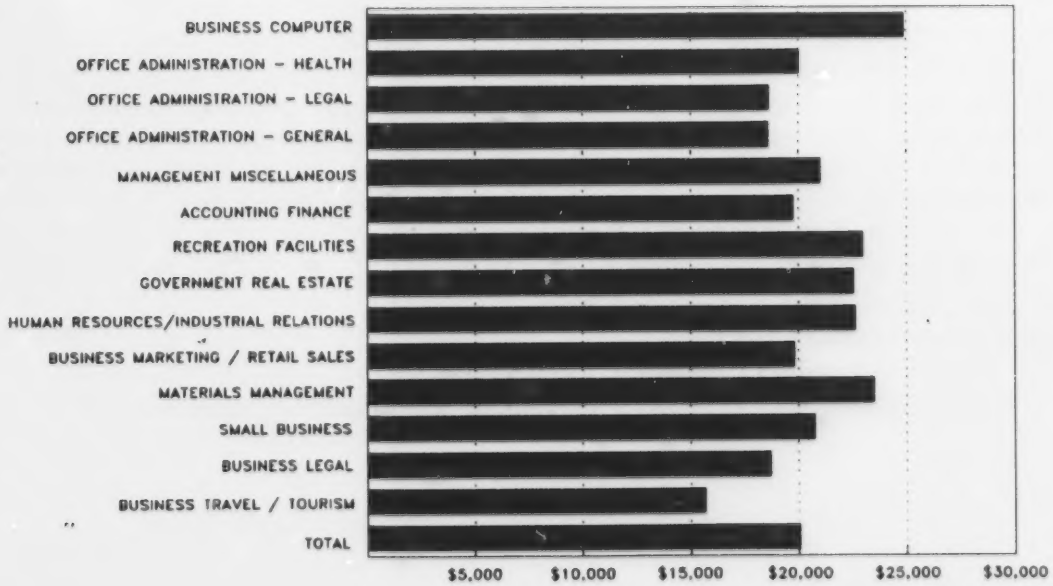

TABLE 19

EMPLOYMENT PICTURE OF COLLEGE GRADUATES, OFFICE AND BUSINESS ADMINISTRATION PROGRAMS, NOVEMBER 1989

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
BUSINESS COMPUTER										
MICROCOMPUTER MANAGEMENT	2 YR	23	18	78.3	83.3	15	93.3	66.7	53.3	$22,008
BUSINESS - INFORMATION SYSTEMS	2 YR	93	60	64.5	90.0	54	96.3	87.0	77.8	$23,820
BUS. ADMIN. - INFORMATION SYSTEMS	3 YR	66	58	87.9	98.3	57	96.5	94.7	87.7	$24,633
COMPUTER PROGRAMMER	2 YR	91	64	70.3	82.8	53	86.8	81.1	77.4	$25,470
COMPUTER PROGRAMMER ANALYST	3 YR	121	70	57.9	95.7	67	92.5	92.5	86.6	$25,520
COMPUTER SYSTEMS TECHNICIAN	2 YR	6	6	100.0	66.7	4	100.0	100.0	100.0	$23,667
COMPUTER SYSTEMS TECHNOLOGY	3 YR	16	14	87.5	100.0	14	100.0	100.0	92.9	$26,599
BUS ADMIN-ACCOUNTANT/PROGRAMMER ANALYST	3 YR	21	18	85.7	88.9	16	93.8	93.8	87.5	$22,765
BUS TECHY - INFO/COMMUNICATION SYSTEMS	3 YR	2	1	50.0	--	--	--	--	--	--
COURSEWARE DESIGN AND PRODUCTION	P D	6	6	100.0	100.0	6	83.3	83.3	83.3	$38,500
COMPUTER OPERATOR	1 YR	12	11	91.7	81.8	9	100.0	88.9	88.9	$22,125
TOTAL		457	326	71.3	90.8	296	93.6	88.9	82.4	$24,879
OFFICE ADMIN-HEALTH										
HEALTH RECORDS TECHNICIAN	1 YR	8	5	62.5	40.0	2	100.0	100.0	100.0	--
HEALTH RECORDS ADMINISTRATION	2 YR	29	20	69.0	95.0	19	84.2	78.9	78.9	$24,122
OFFICE ADMIN. CERTIFICATE - MEDICAL	1 YR	29	24	82.8	95.8	23	95.7	87.0	65.2	$19,431
OFFICE ADMIN. DIPLOMA - MEDICAL	2 YR	267	194	72.7	96.9	188	90.4	81.4	75.5	$19,624
MEDICAL TRANSCRIPTIONIST-HEALTH RECORDS	1 YR	23	18	78.3	94.4	17	94.1	58.8	52.9	$20,035
TOTAL		356	261	73.3	95.4	249	90.8	80.3	73.5	$19,963

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
OFFICE ADMIN-LEGAL										
COURT REPORTING - STENOMASK	1 YR	6	4	66.7	100.0	4	100.0	100.0	75.0	--
OFFICE ADMIN. CERTIFICATE - LEGAL	1 YR	17	12	70.6	83.3	10	90.0	90.0	80.0	$18,097
OFFICE ADMINISTRATION DIPLOMA - LEGAL	2 YR	267	192	71.9	98.4	189	93.1	86.2	83.6	$18,543
TOTAL		290	208	71.7	97.6	203	93.1	86.7	83.3	$18,671
OFFICE ADMINISTRATION										
BUSINESS - OFFICE SYSTEMS	2 YR	67	45	67.2	97.8	44	88.6	81.8	68.2	$20,927
SMALL BUSINESS - OFFICE AUTOMATION	1 YR	10	10	100.0	80.0	8	100.0	100.0	62.5	$18,406
OFFICE SYSTEMS ADMINISTRATION	3 YR	39	31	79.5	100.0	31	93.5	87.1	74.2	$20,506
OFFICE ADMIN. CERTIFICATE - GENERAL	1 YR	352	219	62.2	60.7	133	88.0	66.9	55.6	$17,116
OFFICE ADMIN. CERTIFICATE - EXECUTIVE	1 YR	48	41	85.4	87.8	36	94.4	83.3	75.0	$18,070
OFFICE ADMIN. DIPLOMA - EXECUTIVE	2 YR	403	297	73.7	94.3	280	90.0	80.7	75.0	$17,919
SECRETARIAL SCIENCE	3 YR	11	6	54.5	100.0	6	100.0	100.0	100.0	$18,413
OFFICE ADMIN. CERTIF. - WORD PROCESSING	1 YR	38	27	71.1	100.0	27	100.0	96.3	96.3	$20,444
OFFICE ADMIN. DIPLOMA - WORD PROCESSING	2 YR	85	36	42.4	91.7	33	87.9	78.8	69.7	$21,748
OFFICE ADMIN. DIPLOMA - INFO. SYSTEMS	2 YR	14	14	100.0	78.6	11	100.0	90.9	72.7	$21,764
INTEGRATED OFFICE SYSTEMS	P D	2	2	100.0	100.0	2	100.0	100.0	100.0	--
RECORDS AND INFORMATION MANAGEMENT	2 YR	5	5	100.0	80.0	4	100.0	75.0	75.0	--
TOTAL		1,074	733	68.2	83.9	615	90.7	79.5	71.1	$18,629
MANAGEMENT-MISCELLANEOUS										
BUSINESS	2 YR	443	286	64.6	81.8	234	94.9	88.5	76.5	$18,876
BUSINESS ADMINISTRATION	3 YR	580	341	58.8	93.3	318	91.5	86.2	74.2	$21,129
INTERNATIONAL BUSINESS	3 YR	8	1	12.5	--	--	--	--	--	--
INTERNATIONAL BUSINESS MANAGEMENT	P D	14	3	21.4	66.7	2	100.0	100.0	0.0	--
INDUSTRIAL ENGINEERING TECHY. - MGT.	3 YR	4	2	50.0	100.0	2	100.0	100.0	100.0	--
BUS. ADMIN. - PROD. & OPERATIONS MGT.	3 YR	57	39	68.4	97.4	38	89.5	89.5	76.3	$24,770
TRANSPORTATION AND DISTRIBUTION	2 YR	10	10	100.0	80.0	8	100.0	100.0	87.5	$23,016

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
MANAGEMENT-MISCELLANEOUS (Cont'd)										
BAND MANAGEMENT	2 YR	4	3	75.0	100.0	3	100.0	100.0	100.0	--
PERFORMING ARTS - ADMINISTRATION	2 YR	8	8	100.0	87.5	7	71.4	71.4	71.4	$17,828
INSURANCE	2 YR	38	25	65.8	84.0	21	90.5	85.7	81.0	$17,597
PROPERTY MANAGEMENT	2 YR	29	10	34.5	80.0	8	100.0	100.0	100.0	$25,626
BUSINESS - PURCHASING	2 YR	20	13	65.0	84.6	11	100.0	100.0	63.6	$18,559
FARM BUSINESS MANAGEMENT	2 YR	17	8	47.1	100.0	8	100.0	62.5	62.5	$15,186
RESIDENTIAL CONSTRUCTION MANAGEMENT	2 YR	27	15	55.6	80.0	12	100.0	100.0	91.7	$26,904
BUSINESS - DISTRIBUTION MANAGEMENT	2 YR	14	6	42.9	100.0	6	100.0	100.0	83.3	$27,250
TELECOMMUNICATIONS MANAGEMENT	P D	18	18	100.0	94.4	17	100.0	100.0	100.0	$30,258
TOTAL		1,291	788	61.0	88.3	696	93.2	88.1	76.4	$20,972
ACCOUNTING FINANCE										
BUSINESS - ACCOUNTING	2 YR	384	251	65.4	78.9	198	87.9	76.3	64.6	$19,228
BUSINESS ADMINISTRATION - ACCOUNTING	3 YR	497	399	80.3	93.7	374	92.0	89.8	82.9	$20,003
BUSINESS - FINANCE	2 YR	33	16	48.5	87.5	14	85.7	71.4	57.1	$18,292
BUSINESS ADMINISTRATION - FINANCE	3 YR	28	27	96.4	92.6	25	96.0	92.0	80.0	$21,351
TOTAL		942	693	73.6	88.2	611	90.7	85.1	76.3	$19,811
RECREATION FACILITIES										
SPORTS & ENTERTAINMENT ADMINISTRATION	3 YR	9	6	66.7	100.0	6	100.0	83.3	83.3	$20,403
RECREATION RESOURCES MANAGEMENT	P D	7	2	28.6	100.0	2	100.0	100.0	100.0	--
ARENA MANAGEMENT	P D	1	--	--	--	--	--	--	--	--
SKI RESORT OPERATIONS AND MANAGEMENT	2 YR	6	3	50.0	66.7	2	100.0	100.0	100.0	--
TOTAL		23	12	52.2	91.7	11	100.0	90.9	90.9	$22,962

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
GOVERNMENT REAL ESTATE										
MUNICIPAL ADMINISTRATION & ASSESSMENT	2 YR	13	4	30.8	100.0	4	100.0	100.0	75.0	--
GOVERNMENT ADMINISTRATION	2 YR	17	12	70.6	66.7	8	100.0	100.0	50.0	$21,337
ASSESSMENT, APPRAISAL AND REAL ESTATE	2 YR	25	14	56.0	92.9	13	76.9	76.9	69.2	$23,209
TOTAL		55	30	54.5	83.3	25	88.0	88.0	64.0	$22,561
HUMAN RESOURCE/INDUSTRIAL RELATIONS										
HUMAN SERVICES ADMINISTRATION	2 YR	13	13	100.0	100.0	13	92.3	76.9	46.2	$20,523
BUSINESS - HUMAN RESOURCES	2 YR	9	8	88.9	50.0	4	100.0	100.0	75.0	--
BUS. ADMIN. - HUMAN RESOURCES MGT.	3 YR	57	50	87.7	94.0	47	93.6	83.0	61.7	$22,693
HUMAN RESOURCES MANAGEMENT	P D	59	32	54.2	93.8	30	90.0	86.7	73.3	$27,354
INDUSTRIAL RELATIONS	3 YR	7	7	100.0	85.7	6	83.3	83.3	33.3	--
HUMAN RELATIONS	2 YR	28	26	92.9	88.5	23	95.7	82.6	65.2	$16,776
TOTAL		173	136	78.6	90.4	123	92.7	83.7	62.6	$22,639
BUSINESS-MARKETING/RETAIL SALES										
VISUAL MERCHANDISING ARTS	2 YR	21	14	66.7	100.0	14	100.0	100.0	92.9	$17,161
ADVERTISING	2 YR	108	86	79.6	93.0	80	90.0	83.7	67.5	$17,464
ADVERTISING	3 YR	56	25	44.6	96.0	24	83.3	83.3	83.3	$17,637
CREATIVE ADVERTISING	2 YR	30	16	53.3	93.8	15	93.3	86.7	80.0	$21,756
BUSINESS - ADVERTISING	2 YR	22	20	90.9	90.0	18	88.9	83.3	66.7	$16,475
BUSINESS - MARKETING	2 YR	291	212	72.9	78.3	166	92.2	86.1	69.3	$20,180
BUSINESS ADMINISTRATION - MARKETING	3 YR	360	270	75.0	92.6	250	94.0	86.4	76.4	$22,685
FASHION MERCHANDISING	2 YR	111	67	60.4	88.1	59	96.6	81.4	64.4	$14,914
FASHION MERCHANDISING	3 YR	25	15	60.0	93.3	14	92.9	92.9	85.7	$18,810
PARTS MANAGEMENT AND MERCHANDISING	1 YR	18	2	11.1	100.0	2	100.0	100.0	50.0	--
RECREATIONAL MERCHANDISING	2 YR	22	17	77.3	94.1	16	93.8	81.3	62.5	$19,484
RETAILING	1 YR	1	--	--	--	--	--	--	--	--

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
BUSINESS-MARKETING/RETAIL SALES (Cont'd)										
BUSINESS - RETAILING	2 YR	99	82	82.8	96.3	79	98.7	96.2	89.9	$18,369
RETAIL MANAGEMENT	3 YR	7	6	85.7	83.3	5	100.0	80.0	20.0	--
SALES	1 YR	6	4	66.7	100.0	4	100.0	100.0	100.0	$15,361
BUSINESS - SALES	2 YR	37	33	89.2	87.9	29	86.2	79.3	65.5	$17,880
RETAIL FLORIST	1 YR	14	7	50.0	100.0	7	85.7	71.4	42.9	--
RETAIL FLORICULTURE	2 YR	12	12	100.0	100.0	12	100.0	91.7	75.0	$15,590
TOTAL		1,240	889	71.7	89.4	795	93.3	86.4	73.6	$19,768
MATERIALS MANAGEMENT										
BUSINESS - MATERIALS MANAGEMENT	2 YR	11	9	81.8	88.9	8	87.5	87.5	75.0	$23,664
MATERIALS MANAGEMENT	3 YR	42	33	78.6	100.0	33	90.9	90.9	87.9	$23,440
TOTAL		53	42	79.2	97.6	41	90.2	90.2	85.4	$23,479
SMALL BUSINESS										
SMALL BUSINESS MANAGEMENT	1 YR	1	--	--	--	--	--	--	--	--
SMALL BUSINESS MANAGEMENT	2 YR	19	15	78.9	93.3	14	92.9	92.9	71.4	$20,877
BUS. ADMIN. - SMALL BUS. MANAGEMENT	3 YR	35	13	37.1	92.3	12	100.0	91.7	91.7	$20,639
TOTAL		55	29	52.7	93.1	27	96.3	92.6	77.8	$20,758
BUSINESS LEGAL										
LEGAL ASSISTANT	2 YR	199	137	68.8	94.9	130	95.4	93.1	80.8	$18,407
LEGAL ADMINISTRATION	3 YR	25	17	68.0	94.1	16	100.0	100.0	81.3	$20,991
TOTAL		224	154	68.8	94.8	146	95.9	93.8	80.8	$18,718

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
BUSINESS-TRAVEL/TOURISM										
TRAVEL AND TOURISM	2 YR	303	200	66.0	92.0	184	92.9	83.2	62.5	$14,639
TOURISM MANAGEMENT	3 YR	115	60	52.2	88.3	53	94.3	92.5	79.2	$18,604
TOTAL		418	260	62.2	91.2	237	93.2	85.2	66.2	$15,703
TOTAL ENGLISH PROGRAMS		6,651	4,561	68.6	89.3	4,075	92.4	85.5	74.8	$20,077
FRENCH PROGRAMS										
BUSINESS COMPUTER										
MICROCOMPUTER MANAGEMENT	2 YR	7	6	85.7	83.3	5	100.0	40.0	40.0	--
COMPUTER PROGRAMMER	2 YR	1	--	--	--	--	--	--	--	--
COMPUTER OPERATOR	1 YR	6	3	50.0	66.7	2	100.0	100.0	100.0	--
TOTAL		14	10	71.4	80.0	8	100.0	62.5	62.5	$22,464
MANAGEMENT-MISCELLANEOUS										
BUSINESS ADMINISTRATION	3 YR	14	12	85.7	91.7	11	81.8	81.8	81.8	$21,357
TOTAL		14	12	85.7	91.7	11	81.8	81.8	81.8	$21,357
ACCOUNTING FINANCE										
BUSINESS - ACCOUNTING	2 YR	12	12	100.0	75.0	9	100.0	88.9	66.7	$17,588
BUSINESS ADMINISTRATION - ACCOUNTING	3 YR	12	12	100.0	66.7	8	87.5	87.5	75.0	$19,757
BUSINESS ADMINISTRATION - FINANCE	3 YR	1	--	--	--	--	--	--	--	--
TOTAL		25	25	100.0	72.0	18	94.4	88.9	66.7	$18,889

TABLE 19 (Cont'd)

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
FRENCH PROGRAMS										
BUSINESS-MARKETING/RETAIL SALES										
ADVERTISING	2 YR	19	16	84.2	100.0	16	81.3	62.5	43.8	$21,500
BUSINESS - MARKETING	2 YR	13	9	69.2	66.7	6	100.0	83.3	66.7	$16,646
BUSINESS ADMINISTRATION - MARKETING	3 YR	7	7	100.0	100.0	7	85.7	85.7	57.1	$26,667
TOTAL		39	32	82.1	90.6	29	86.2	72.4	51.7	$21,578
BUSINESS LEGAL										
LEGAL ASSISTANT	2 YR	14	10	71.4	100.0	10	100.0	100.0	80.0	$18,184
TOTAL		14	10	71.4	100.0	10	100.0	100.0	80.0	$18,184
BUSINESS-TRAVEL/TOURISM										
TRAVEL AND TOURISM	2 YR	2	0	0.0	--	--	--	--	--	--
TOTAL		2	0	0.0	--	--	--	--	--	--
TOTAL FRENCH PROGRAMS		108	89	82.4	85.4	76	90.8	80.3	64.5	$20,309
BILINGUAL PROGRAMS										
BUSINESS COMPUTER										
BUS. ADMIN. - INFORMATION SYSTEMS	3 YR	1	--	--	--	--	--	--	--	--
TOTAL		1	--	--	--	--	--	--	--	--
OFFICE ADMIN-HEALTH										
OFFICE ADMIN. DIPLOMA - MEDICAL	2 YR	7	5	71.4	100.0	5	100.0	100.0	80.0	$22,783
TOTAL		7	5	71.4	100.0	5	100.0	100.0	80.0	$22,783

TABLE 19 (Cont'd)

BILINGUAL PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
OFFICE ADMIN-LEGAL										
OFFICE ADMINISTRATION DIPLOMA - LEGAL	2 YR	17	15	88.2	80.0	12	83.3	75.0	75.0	$17,822
TOTAL		17	15	88.2	80.0	12	83.3	75.0	75.0	$17,822
OFFICE ADMINISTRATION										
OFFICE ADMIN. CERTIFICATE - GENERAL	1 YR	21	15	71.4	73.3	11	90.9	72.7	63.6	$19,215
OFFICE ADMIN. DIPLOMA - EXECUTIVE	2 YR	51	45	88.2	93.3	42	88.1	83.3	73.8	$18,181
TOTAL		72	60	83.3	88.3	53	88.7	81.1	71.7	$18,382
MANAGEMENT-MISCELLANEOUS										
BUSINESS	2 YR	3	2	66.7	100.0	2	100.0	100.0	50.0	--
BUSINESS ADMINISTRATION	3 YR	11	10	90.9	80.0	8	100.0	75.0	62.5	$23,723
TOTAL		14	12	85.7	83.3	10	100.0	80.0	60.0	$24,578
ACCOUNTING FINANCE										
BUSINESS ADMINISTRATION - ACCOUNTING	3 YR	8	6	75.0	100.0	6	83.3	83.3	83.3	$17,666
TOTAL		8	6	75.0	100.0	6	83.3	83.3	83.3	$17,666
BUSINESS-MARKETING/RETAIL SALES										
BUSINESS ADMINISTRATION - MARKETING	3 YR	9	8	88.9	87.5	7	100.0	100.0	100.0	$20,243
TOTAL		9	8	88.9	87.5	7	100.0	100.0	100.0	$20,243
BUSINESS LEGAL										
LEGAL TECHNICIAN - CIVIL	2 YR	8	6	75.0	100.0	6	83.3	83.3	66.7	$19,998
TOTAL		8	6	75.0	100.0	6	83.3	83.3	66.7	$19,998

TABLE 19 (Cont'd)

BILINGUAL PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
BUSINESS-TRAVEL/TOURISM										
TRAVEL AND TOURISM	2 YR	3	3	100.0	66.7	2	100.0	100.0	100.0	--
TOTAL		3	3	100.0	66.7	2	100.0	100.0	100.0	--
TOTAL BILINGUAL PROGRAMS		**139**	**116**	**83.5**	**87.9**	**102**	**90.2**	**83.3**	**74.5**	**$19,318**
TOTAL OFFICE AND BUSINESS ADMINISTRATION PROGRAMS		**6,898**	**4,766**	**69.1**	**89.2**	**4,253**	**92.3**	**85.4**	**74.7**	**$20,962**

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 20

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, OFFICE AND BUSINESS ADMINISTRATION PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
OFFICES OF LAWYERS AND NOTARIES	252	3	255	8.2
HOSPITALS	122	23	145	4.7
ACCOUNTING AND BOOKKEEPING SERVICES	97	2	99	3.2
INSURANCE AND REAL ESTATE AGENCIES	88	6	94	3.0
GENERAL MERCHANDISE STORES	76	16	92	3.0
GENERAL ADMINISTRATIVE SERVICES	85	3	88	2.8
TRAVEL SERVICES	80	3	83	2.7
CHARTERED BANKS AND OTHER BANKING-TYPE INTERMEDIARIES	71	11	82	2.7
FOOD SERVICES	55	11	66	2.1
ECONOMIC SERVICES ADMINISTRATION	61	2	63	2.0
COMPUTER AND RELATED SERVICES	63	0	63	2.0
HOTELS, MOTELS AND TOURIST COURTS	58	4	62	2.0
FOOD STORES	37	15	52	1.7
HUMAN RESOURCE ADMINISTRATION	45	2	47	1.5
ADVERTISING SERVICES	46	1	47	1.5
OTHER BUSINESS SERVICES	40	1	41	1.3
OFFICES OF PHYSICIANS, SURGEONS AND DENTISTS, PRIVATE PRACTICE	37	4	41	1.3
LIFE INSURERS	40	0	40	1.3
TRUST COMPANIES	34	4	38	1.2
PROTECTIVE SERVICES	33	2	35	1.1
WOMEN'S CLOTHING STORES	27	3	30	1.0
FOOD, WHOLESALE	27	2	29	0.9
AUTOMOBILE DEALERS	28	0	28	0.9
RESIDENTIAL BUILDING AND DEVELOPMENT	27	0	27	0.9
POSTSECONDARY NON-UNIVERSITY EDUCATION	21	6	27	0.9
EMPLOYMENT AGENCIES AND PERSONNEL SUPPLIERS	23	4	27	0.9
PRESCRIPTION DRUGS AND PATENT MEDICINE STORES	23	2	25	0.8
HARDWARE, PAINT, GLASS AND WALLPAPER STORES	22	2	24	0.8
COMBINED PUBLISHING AND PRINTING INDUSTRIES	22	2	24	0.8
OTHER INSTITUTIONAL HEALTH AND SOCIAL SERVICES	19	4	23	0.7
ARCHITECTURAL, ENGINEERING AND OTHER SCIENTIFIC & TECHNICAL SERVICES	20	3	23	0.7
ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT & SUPPLIES, WHOLESALE	23	0	23	0.7
OTHER MACHINERY AND EQUIPMENT INDUSTRIES	21	1	22	0.7
COMMERCIAL PRINTING INDUSTRIES	20	0	20	0.7
MOTOR VEHICLE PARTS AND ACCESSORIES INDUSTRIES	19	0	19	0.6
CLOTHING STORES, N.E.C.	17	2	19	0.6
MANAGEMENT CONSULTING SERVICES	18	0	18	0.6
ELEMENTARY AND SECONDARY EDUCATION	12	6	18	0.6
BUSINESS ASSOCIATIONS	15	3	18	0.6
MEAT AND POULTRY PRODUCTS INDUSTRIES	17	0	17	0.6
OPERATORS OF BUILDINGS AND DWELLINGS	17	0	17	0.6

TABLE 20 (Cont'd)

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
PORTFOLIO INVESTMENT INTERMEDIARIES	16	0	16	0.5
OTHER RETAIL STORES	15	1	16	0.5
TRUCK TRANSPORT INDUSTRIES	16	0	16	0.5
CENTRAL BANK	13	2	15	0.5
OTHER MACHINERY, EQUIPMENT AND SUPPLIES, WHOLESALE	15	0	15	0.5
APPLIANCE, TELEVISION, RADIO AND STEREO STORES	14	1	15	0.5
TELECOMMUNICATION BROADCASTING INDUSTRIES	14	1	15	0.5
PROJECT MANAGEMENT, CONSTRUCTION	14	1	15	0.5
PULP AND PAPER INDUSTRIES	14	0	14	0.5
SHOE STORES	14	0	14	0.5
TELECOMMUNICATION CARRIERS INDUSTRY	14	0	14	0.5
NON-INSTITUTIONAL SOCIAL SERVICES	12	2	14	0.5
FLORISTS, LAWN AND GARDEN CENTRES	13	1	14	0.5
MEN'S CLOTHING STORES	11	3	14	0.5
AIR TRANSPORT INDUSTRIES	13	1	14	0.5
LUMBER AND BUILDING MATERIALS, WHOLESALE	13	1	14	0.5
PROPERTY AND CASUALTY INSURERS	13	0	13	0.4
ELECTRIC POWER SYSTEMS INDUSTRY	12	1	13	0.4
PRIMARY STEEL INDUSTRIES	13	0	13	0.4
MOTOR VEHICLE INDUSTRY	12	1	13	0.4
UNIVERSITY EDUCATION	13	0	13	0.4
PROFESSIONAL MEMBERSHIP ASSOCIATIONS	12	1	13	0.4
SPORTS AND RECREATION CLUBS AND SERVICES	11	1	12	0.4
POSTAL AND COURIER SERVICE INDUSTRIES	11	1	12	0.4
HOUSEHOLD FURNITURE STORES	10	1	11	0.4
OFFICES OF OTHER HEALTH PRACTITIONERS	8	3	11	0.4
LABOUR, EMPLOYMENT AND IMMIGRATION SERVICES	9	2	11	0.4
INDUSTRIAL CONSTRUCTION (OTHER THAN BUILDINGS)	10	1	11	0.4
CREDIT UNIONS	7	3	10	0.3
MACHINERY AND EQUIPMENT RENTAL AND LEASING	10	0	10	0.3
BUSINESS FINANCING COMPANIES	9	1	10	0.3
NON-RESIDENTIAL BUILDING AND DEVELOPMENT	10	0	10	0.3
PUBLISHING INDUSTRIES	10	0	10	0.3
OFFICE, STORE AND BUSINESS MACHINE INDUSTRIES	10	0	10	0.3
COMMUNICATION AND OTHER ELECTRONIC EQUIPMENT	10	0	10	0.3
SUB-TOTAL	**2,279**	**183**	**2,462**	**79.5**
OTHER	**595**	**38**	**633**	**20.5**
TOTAL**	**2,874**	**221**	**3,095**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 21

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, OFFICE AND BUSINESS ADMINISTRATION PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
SECRETARIES & STENOGRAPHERS	544	35	579	16.5
BOOKKEEPERS & ACCOUNTING CLERKS	429	13	442	12.6
GENERAL OFFICE CLERKS	153	26	179	5.1
SUPERVISORS: SALES OCCUPATIONS, COMMODITIES	147	2	149	4.3
SYSTEMS ANALYSTS, COMPUTER PROGRAMMERS & RELATED OCCUPATIONS	148	1	149	4.3
OCCUPATIONS IN LAW & JURISPRUDENCE, N.E.C.	119	1	120	3.4
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL OFFICERS	101	2	103	2.9
EDP EQUIPMENT OPERATORS	99	4	103	2.9
SALES CLERKS, COMMODITIES	73	21	94	2.7
TRAVEL CLERKS, TICKET, STATION & FREIGHT AGENTS	90	3	93	2.7
RECEPTIONISTS & INFORMATION CLERKS	82	7	89	2.5
TYPISTS & CLERK-TYPISTS	73	7	80	2.3
TELLERS & CASHIERS	48	30	78	2.2
SALES PERSONS COMMODITIES, N.E.C	63	5	68	1.9
OCCUPATIONS RELATED TO MANAGEMENT & ADMINISTRATION	58	1	59	1.7
COMMERCIAL TRAVELLERS	53	0	53	1.5
INSURANCE, BANK & OTHER FINANCE CLERKS	46	2	48	1.4
ADVERTISING SALES OCCUPATIONS	43	0	43	1.2
PRODUCTION CLERKS	36	1	37	1.1
OTHER CLERICAL & RELATED OCCUPATIONS, N.E.C.	33	3	36	1.0
SALES & ADVERTISING MANAGEMENT OCCUPATIONS	33	1	34	1.0
SUPERVISORS, FOOD & BEVERAGE PREPARATION & RELATED SERVICES OCCUPATIONS	28	4	32	0.9
OTHER MANAGERS & ADMINISTRATORS, N.E.C.	30	1	31	0.9
OCCUPATIONS IN LABOURING & OTHER ELEMENTAL	23	6	29	0.8
TECHNICAL SALES OCCUPATIONS & RELATED ADVISERS	28	0	28	0.8
STOCK CLERKS & RELATED OCCUPATIONS	25	2	27	0.8
LIBRARY & FILE CLERKS	24	3	27	0.8
FOOD & BEVERAGE PREPARATION & RELATED SERVICE OCCUPATIONS, N.E.C.	20	7	27	0.8
PERSONNEL CLERKS	27	0	27	0.8
COLLECTORS	24	2	26	0.7
HOTEL CLERKS	24	1	25	0.7
OCCUPATIONS IN FINE & COMMERCIAL ART PHOTOGRAPHY & RELATED FIELDS	18	4	22	0.6
PERSONNEL AND RELATED OFFICERS	22	0	22	0.6
SERVICE MANAGEMENT OCCUPATIONS	20	0	20	0.6
ARCHITECTURAL & ENGINEERING TECHNOLOGISTS & TECHNICIANS	19	0	19	0.5

TABLE 21 (Cont'd)

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
OTHER SALES OCCUPATIONS, N.E.C.	19	0	19	0.5
BUSINESS SERVICE SALES OCCUPATIONS	18	0	18	0.5
SHIPPING & RECEIVING CLERKS	16	0	16	0.5
ADVERTISING & ILLUSTRATING ARTISTS	14	1	15	0.4
PURCHASING OFFICERS & BUYERS, EXCEPT WHOLESALE & RETAIL TRADE	13	0	13	0.4
SUPERVISORS, BOOKKEEPING, ACCOUNT-RECORDING & RELATED OCCUPATIONS	12	1	13	0.4
BUYERS, WHOLESALE & RETAIL TRADE	11	0	11	0.3
SUPERVISORS: SALES OCCUPATIONS & AGENT	10	0	10	0.3
REAL ESTATE SALES OCCUPATIONS	9	1	10	0.3
INSPECTORS & REGULATORY OFFICERS, GOVERNMENT	10	0	10	0.3
SUB-TOTAL	**2,935**	**198**	**3,133**	**89.4**
OTHER	**349**	**25**	**374**	**10.7**
TOTAL**	**3,284**	**223**	**3,507**	**100.0**

* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

G. HOSPITALITY PROGRAMS

This section discusses programs in the following fields:

- Chef Training
- Hotel and Restaurant Administration
- Food Services Management
- Food Processing Technician

1. Number of Graduates

In May 1989, 830 students graduated from the English-language Hospitality programs, another 24 students graduated from the French-language and Bilingual programs. Together, these graduates accounted for 3.8 per cent of the total number of college graduates in Ontario (Table 22).

2. Employment Status of Graduates

Six months after graduation, 93.9 per cent of the Hospitality graduates were working. In November 1989, only 6.1 per cent of the Hospitality graduates in the labour force were still looking for work, compared with the rest of the graduates, who had an unemployment rate of 7.2 per cent.

3. Relationship of Job to Program of Study

Almost three-quarters of the Hospitality graduates employed full-time were in jobs that utilized the skills and knowledge acquired during their years of study.

4. Annual Earnings of Graduates

At the time of the survey, the average annual starting salary for Hospitality graduates was $17,252.

5. Industry Sectors

The Accommodation, Food, Beverage and Other Service Industries were the main industry sectors employing graduates from the Hospitality programs. Three out of four of the employed graduates were working in these industries at the time of the survey.

At the detailed level, industries employing at least ten graduates are listed in descending order of frequency in Table 23. This provides an indication of the types of industries hiring graduates from the Hospitality programs. The top three industries were as follows:

- Food Services
- Hotels, Motels and Tourist Courts
- Hospitals

6. Occupations

Almost two-thirds of the employed Hospitality graduates found jobs in the Service Occupations.

At the detailed level, occupations with at least ten employed graduates are listed in descending order of frequency in Table 24. This provides an indication of the types of occupation in which Hospitality graduates can find employment. The top five occupations were as follows:

- Supervisors, Food and Beverage Preparation
- Chefs and Cooks
- Food and Beverage Service Preparation
- Hotel Clerks
- Services Management Occupations

TABLE 22

EMPLOYMENT PICTURE OF COLLEGE GRADUATES, HOSPITALITY PROGRAMS, NOVEMBER 1989

	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
ENGLISH PROGRAMS										
HOSPITALITY										
CHEF TRAINING	1 YR	78	31	39.7	90.3	28	89.3	64.3	57.1	$18,067
CULINARY MANAGEMENT	2 YR	125	58	46.4	96.6	56	98.2	69.6	64.3	$17,789
HOSPITALITY MANAGEMENT	1 YR	9	7	77.8	71.4	5	100.0	80.0	80.0	$8,278
HOTEL AND RESTAURANT MANAGEMENT	2 YR	328	221	67.4	86.9	192	93.2	84.4	72.4	$16,011
HOTEL AND RESTAURANT ADMINISTRATION	3 YR	39	29	74.4	96.6	28	96.4	92.9	92.9	$16,114
FOOD AND BEVERAGE MANAGEMENT	2 YR	93	44	47.3	93.2	41	92.7	80.5	78.0	$18,105
HOSPITALITY ADMINISTRATION & SERVICE	3 YR	81	44	54.3	95.5	42	97.6	97.6	90.5	$19,508
FOOD SERVICE SUPERVISOR	2 YR	30	23	76.7	95.7	22	90.9	68.2	59.1	$24,978
FOOD SERVICE SUPERVISOR	PD	10	0	0.0	--	--	--	--	--	--
FLIGHT SERVICES	1 YR	1	--	--	--	--	--	--	--	--
FOOD INDUSTRY TECHNICIAN	2 YR	17	13	76.5	53.8	7	85.7	85.7	85.7	$18,941
FOOD ENGINEERING TECHY - PROCESSING	3 YR	19	7	36.8	85.7	6	83.3	83.3	66.7	$18,494
TOTAL		830	477	57.5	89.5	427	93.9	81.7	73.5	$17,328
TOTAL ENGLISH PROGRAMS		830	477	57.5	89.5	427	93.9	81.7	73.5	$17,328
FRENCH PROGRAMS										
HOSPITALITY										
HOTEL AND RESTAURANT MANAGEMENT	2 YR	20	14	70.0	85.7	12	91.7	75.0	75.0	$15,745
TOTAL		20	14	70.0	85.7	12	91.7	75.0	75.0	$15,745
TOTAL FRENCH PROGRAMS		20	14	70.0	85.7	12	91.7	75.0	75.0	$15,745

TABLE 22 (Cont'd)

BILINGUAL PROGRAMS	DURATION	TOTAL GRADS	TOTAL IN THE SURVEY #	TOTAL IN THE SURVEY %	GRADS IN LABOUR FORCE %	GRADS IN LABOUR FORCE #	PER CENT WORKING	PER CENT WORKING FULL-TIME	PER CENT WORKING FULL-TIME IN RELATED JOB	AVERAGE ANNUAL SALARY
HOSPITALITY										
HOTEL AND RESTAURANT MANAGEMENT	2 YR	4	3	75.0	66.7	2	100.0	100.0	100.0	--
TOTAL		4	3	75.0	66.7	2	100.0	100.0	100.0	--
TOTAL BILINGUAL PROGRAMS		4	3	75.0	66.7	2	100.0	100.0	100.0	--
TOTAL HOSPITALITY PROGRAMS		854	494	57.8	89.3	441	93.9	81.6	73.7	$17,252

Note: See Appendix E for a list of abbreviations used in this table.

TABLE 23

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, HOSPITALITY PROGRAMS, NOVEMBER 1989

INDUSTRY*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
FOOD SERVICES	111	14	125	36.0
HOTELS, MOTELS AND TOURIST COURTS	101	15	116	33.4
HOSPITALS	10	8	18	5.2
SUB-TOTAL	**222**	**37**	**259**	**74.6**
OTHER	**79**	**9**	**88**	**25.4**
TOTAL**	**301**	**46**	**347**	**100.0**

* Industries are listed at the group (three-digit) level, as defined by Statistics Canada.

** Total number of responses to question 10 in the survey, on the type of business or service of the employer.

TABLE 24

DISTRIBUTION OF EMPLOYMENT BY OCCUPATION, HOSPITALITY PROGRAMS, NOVEMBER 1989

OCCUPATION*	EMPLOYED FULL-TIME	EMPLOYED PART-TIME	EMPLOYED TOTAL	% DISTRIB-UTION
SUPERVISORS, FOOD & BEVERAGE PREPARATION & RELATED SERVICE OCCUPATIONS	102	8	110	29.9
CHEFS & COOKS	51	13	64	17.4
FOOD & BEVERAGE SERVICE PREPARATION & RELATED OCCUPATIONS, N.E.C.	32	7	39	10.6
HOTEL CLERKS	29	1	30	8.2
SERVICES MANAGEMENT OCCUPATIONS	13	0	13	3.5
SUB-TOTAL	**215**	**29**	**256**	**69.6**
OTHER	**108**	**16**	**112**	**30.4**
TOTAL**	**323**	**45**	**368**	**100.0**

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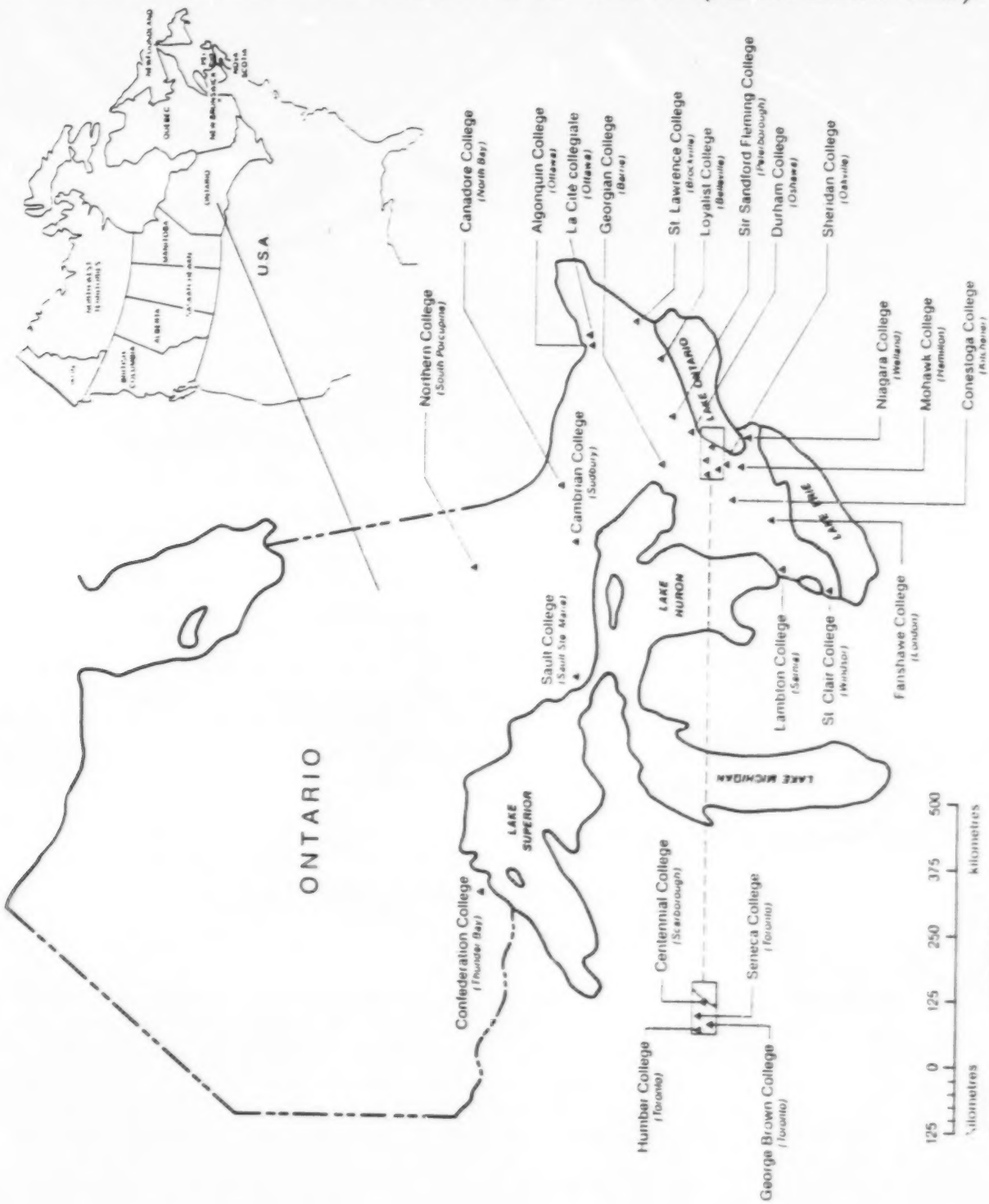
* Occupations are listed at the unit group (four-digit) level, as defined by the Canada Employment and Immigration Commission.

** Total number of responses to question 14 in the survey, on the type of work of the employed graduates.

APPENDICES

Appendix A

GEOGRAPHIC LOCATIONS OF COLLEGES OF APPLIED ARTS AND TECHNOLOGY (MAIN CAMPUSES)



Appendix B

SURVEY METHODOLOGY

Scope

The Graduate Employment Survey on which this report is based includes all the May 1989 (winter term) graduates of full-time postsecondary programs from the 22 Colleges of Applied Arts and Technology in Ontario. In that sense, it is a survey of the entire population and not just a sample.

Procedures

The Graduate Employment Survey is a mail survey conducted by the placement offices of the 22 colleges using a standard questionnaire, which is available in both English and French. The English-language version of the questionnaire follows on pages 111 to 114. The survey is conducted three times a year, once for each graduating class (i.e., winter, summer and fall terms). The graduates are surveyed six months after graduation. The reference weeks for the surveys are as follows:

Winter Term:	first week of November
Summer Term:	first week of March
Fall Term:	first week of July

Information about the employment status of the May 1989 (winter term) graduates was gathered through the survey for the reference week of November 5-11, 1989, which was approximately six months after graduation. Employment levels change over time, therefore, it is important to keep in mind that the survey findings show only the employment outcomes of college graduates during the week of November 5-11, 1989.

Each college mailed the questionnaire to all its May 1989 graduates. College placement staff telephoned graduates who had not responded to the survey, thereby ensuring a higher overall response rate. College staff then coded the questionnaires and sent the information to the Ministry of Colleges and Universities. Ministry staff compiled and consolidated the information from all 22 colleges.

All of the questions on the survey were close-ended and precoded, except question 10 (the type of industry in which the graduate found employment) and question 14 (the type of occupation in which the graduate found employment). In coding occupations, the CCDO (Canadian Classification and Dictionary of Occupations) codes as defined by Canada Employment and Immigration were used; in coding industries, the 1980 SIC (Standard Industrial Classification) codes as defined by Statistics Canada were used.

Response Rate

Some questionnaires were non-deliverable because some graduates who had moved after graduation could not be located. The response rate was not adjusted for non-deliverable questionnaires, and those questionnaires were considered as non-respondents. Since the Graduate Employment Survey is not a random sample survey but rather a survey of the entire population, statistical methods used in a random sample survey do not generally apply. The assumption of no non-response bias is made, as it is in most socio-economic research.

The overall response rate was 68.8 per cent. The consistent survey methodology and the high overall response rate resulted in reliable data on the employment outcomes of college graduates.

Response Rate by College

Colleges	Total Number of Graduates	Total Responses	Response Rate
Algonquin	1,918	1,671	87.1
Cambrian	831	684	82.3
Canadore	590	489	82.9
Centennial	1,292	901	69.7
Conestoga	670	564	84.2
Confederation	749	646	86.2
Durham	818	501	61.2
Fanshawe	1,078	497	46.1
George Brown	2,295	1,116	48.6
Georgian	825	472	57.2
Humber	1,593	1,405	88.2
Lambton	277	177	63.9
Loyalist	702	585	83.3
Mohawk	1,068	701	65.6
Niagara	920	723	78.6
Northern	401	365	91.0
St. Clair	862	222	25.8
St. Lawrence	616	458	74.4
Sault	331	229	69.2
Seneca	1,892	654	34.6
Sheridan*	1,331	1,331	---
S. S. Fleming	1,127	887	78.7
TOTAL	22,186	15,278	68.8

Note: * At the time this report was prepared, the total number of graduates reported for Sheridan College was the same as the number who returned the survey.

Ontario

Ministry of Colleges and Universities

College Graduate Employment Questionnaire

If a label has been provided, check that the information is correct. If not, please mark the necessary information or changes on the right. Do not remove the label.

Name :

Address :

City/Prov. :

Postal Code :

Telephone Number:

Phone No. : ( )

Student Number :

Diploma / Certificate Obtained :

Date Diploma / Certificate Obtained :

Program Name : Non Co-op ☐ Co-op ☐

Program Duration : 1 Year ☐ 2 Year ☐ 3 Year ☐

For Office Use Only

College (1 4)

S T D 3 Card 3 (5 8)

A Function = Add (9)

Student Number (11 19)

Instructions

Please take a few minutes of your time to complete this questionnaire and return it as soon as possible in the enclosed self-addressed envelope. The data collected through this survey will help your college and others in the province to determine the success of students in the workplace. It is important that you carefully follow the instructions in the questionnaire and answer all the questions applicable to you. If you have any questions while completing this questionnaire you may contact the placement officer of your college at the telephone number given below.

Freedom of Information and Protection of Privacy Act

In accordance with section 39 (2) of the Freedom of Information and Protection of Privacy Act, this is to advise you that the personal information collected on this form will be used only for statistical purposes, such as the graduate placement reports, by the colleges of applied arts and technology and the Ministry of Colleges and Universities. This information is collected under the legal authority of the Ministry of Colleges and Universities Act R.S.O. 1980, C.272 and regulations. For further information you may contact the placement officer of your college at the address and telephone number given below.

Publié en français sous le titre : **Questionnaire sur le placement des diplômés des collèges.**

Part I Employment Status as of November 5 - November 11, 1989

For Office Use Only

1 9 8 9 1 1 0 5
20 Year/Month/Day 27

Q1. During the week of November 5 to November 11, 1989 were you :

employed	☐	(Go to PART II)
not employed but looking for a job	☐	(Go to Q4.)
not employed and not looking for a job	☐	(Go to Q2.)

1 2 3 ☐ 28

Q2. What is the main reason you are not looking for employment ?
(check one box only)

further full-time education at college	☐
further full-time education at university	☐
further full-time education at other institution	☐
travel	☐
health	☐
home or family responsibility	☐
other (specify) _____	☐

1 2 3 4 5 6 7 ☐ 29

Q3. Have you ever looked for employment since graduation ?

Yes	☐	(Continue with Q4.)
No	☐	(Go to Q23.)

Y N ☐ 30

Q4. Have you ever been employed since graduation ?

Yes	☐	(Continue with Q5.)
No	☐	(Go to Q22., complete Section A only)

Y N ☐ 31

Q5. What was the duration of your first job after graduation ?
(Please record number of months or weeks)

Months _____ or Weeks _____

M W ☐ 32 Units ☐ 33 Value 35

Q6. What was the main reason for leaving your first job after graduation ?
(Check one box only)

summer job	☐
temporary or contract only	☐
freelance	☐
laid off due to lack of work	☐
job not related to my program of study	☐
poor working conditions	☐
salary was too low	☐
no opportunity for advancement	☐
better job became available	☐
other (specify) _____	☐

01 02 03 04 05 06 07 08 09 10 ☐ 36 37

Please continue with Part II.

Part II Job Related Information

If you are **currently employed** please provide information about your current job. If more than one job is held at the same time, please complete for the job which occupies the most time per week.

If you are **currently not employed** but have held at least one job since graduation, please provide information relevant to your first job after graduation. If more than one job was held at the same time, please complete for the job which occupied the most time per week.

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C F 38

Q7. Are you providing information for :

current job ☐ first job ☐

Q8. When did you start your job ? (Please record month and year)

Month _____ Year 19 _____

39 Year Mth 44

Q9. Who is your employer ? (If self-employed, please indicate)

Name of Company / Organization _____

Address _____

_____ Postal Code _____

Phone No. ( ) _____ Self-employed or freelance : Yes ☐ No ☐

Y N 45

Q10. What type of business, industry or service is this ? (e.g., Daycare Centre, Hospital, Auto Parts Manufacturer, Insurance Company, Engineering Firm, Municipal Government, etc)

_____

1980 SIC

46 49

Q11. How many hours per week do you normally work at your job ? (Do not include overtime)

_____ hours per week

2 decimals

50 53

If you work **less than 30 hours** per week ,go to **Q12**
If you work **30 hours or more** per week, go to **Q13**

Q12. What is the main reason for working less than 30 hours per week ?
(please check **one** box only)

full-time work in my field is under 30 hours per week	☐
could only find part-time work	☐
personal choice	☐
own illness or disability	☐
personal or family responsibilities	☐
going to school full time	☐
other (specify) _____	☐

1 2 3 4 5 6 7 54

Q13. Is your job :

permanent (job has no specific termination date) ☐
temporary (job has a specific termination date) ☐

P T 55

Duration of time for the temporary job (Please record number of months or weeks)

Months _____ or weeks _____

M W Units 56 Value 57 59

Q14. What is your job title and what kind of work are you doing ?
(e.g., Secretary - type reports, maintain filing system, arrange meetings/travel and direct telephone calls)

Job Title

Job Duties

60 Job CCDO 66

Q15. Are the responsibilities of your job related to your program of study ?

Yes ☐ Partially ☐ No ☐

Y P N 67

Q16. What is the minimum educational qualification specified by your employer for your job ? (Please check **one** box only)

- college diploma / certificate ☐
- university degree ☐
- some post-secondary education ☐
- high school or less ☐
- other (specify) _____ ☐
- not specified ☐
- unknown ☐

Q17. What is your starting salary ? (Fill **one** box only)

$/hour	[	]
$/week	[	]
$/month	[	]
$/year (annual)	[	]

Those currently not employed go to Q22.

Q18. During the week of Nov. 5 - Nov. 11, 1989, did you hold more than one job ?

Yes ☐ Continue with **Q19.** No ☐ Go to **Q22.**

Q19. How many hours per week do you work at your other job ? _____

Q20. Are the responsibilities of your other job related to your program of study ?

Yes ☐ Partially ☐ No ☐

Q21. Are you currently employed but still actively seeking another job ?

Yes ☐ No ☐

Part III Job Search Methods

Q22.

Job Search Methods	Section A Which job search methods did you use ? (Check as many as appropriate)	Section B Through which job search method did you find your main job ? (Check **one** only)
On-Campus Placement Office		
Teacher / Academic Depts		
Co-operative Education		
Internship / Field Placement		
Direct Contact with Employers		
Off-Campus Canada Employment Centre		
Private Employment Centre		
Newspaper, Journal, Media Ads		
Friends / Relatives		
Other (specify) _____		

Q23. Please attach a separate sheet for any comments you wish to make.

Q24. Please provide your signature and the date.

Signature Date

Thank you for your co-operation

13-2784 (08/89)

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S T D 4 — Cols 1 - 4 Repeat, Card 4 (5 – 8) — Cols 9 - 27 Repeat

1 2 3 4 5 6 7 — 28

H W M Y — 29 — 30 Dollars/Cents 36

Y N — 37

2 Decimals — 38 – 41

Y P N — 42

Y N — 43

A B — 44 – 53

A = Checked A only
B = Checked A + B

Appendix C

LIST OF PROGRAMS WITH ENROLMENT IN 1989-90, BY COLLEGE

PROGRAMS	DURATION	INSTITUTIONS																						
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Accounting Clerk - Microcomputer	1 Yr																					E		
Activation Co-ordinator	2 Yr										E													
Advertising	2 Yr	E	E			F			E			E	E		E								E	
Advertising	3 Yr				E											E			E					
Air Carrier/Airport Management	2 Yr							E																
Air Carrier/Airport Management Technology	3 Yr											E												
Ambulance and Emergency Care	1 Yr	E	C		E	F	E			E			E				E		E					
Animal Care	1 Yr																						E	
Animal Care Technology	3 Yr																			E				
Animal Health Technician	2 Yr																		E			E		
Animation	3 Yr																						E	
Animation - Television	2 Yr	E																						
Apparel Manufacturing Management	2 Yr										E													
Applied Research	2 Yr																						E	
Aquaculture Technician	2 Yr																							E
Architectural Technician	2 Yr	E			E	F		E		E	E		E		E	E		E			E		E	
Architectural Technician	2 Yr																	E						
Architectural Technology	3 Yr	E			E	F		E		E	E		E		E	E		C	E				E	
Arena Management	P D												E											
Art Conservation Techniques	3 Yr																							E
Art Fundamentals	1 Yr													E									E	
Assessment, Appraisal and Real Estate	2 Yr									E					E					E				
Audio-Visual Technician	2 Yr		E							E			E									E		
Automotive Parts Merchandising	1 Yr															E								
Aviation Engineering Technician	2 Yr							E																
Aviation Engineering Technology	3 Yr							E																
Aviation Flight Technology	3 Yr							E													E	E		
Aviation Pilot - Rotary Wing	P D			E																				
Aviation Technician - Aircraft Maintenance	2 Yr			E	E			E																
Aviation Technician - Avionics Maintenance	2 Yr			E	E																	E		
Band Management	2 Yr							E																
Behavioural Science	1 Yr									E														
Behavioural Science Technician	2 Yr					F														E				
Behavioural Science Technology	3 Yr																			E				
Book and Magazine Publishing	2 Yr				E																			
Broadcasting - Radio	P D												E											
Broadcasting - Radio and Television	3 Yr				E		E						E			E	E							
Broadcasting - Radio and Television	2 Yr	E		E		F		E		E			E	E	E	E						E		
Bus Admin - Accountant/Programmer Analyst	3 Yr				E																			

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																								
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Bus Techy - Info./Communication Systems	3 Yr											C								E			E	E
Bus. - Transportation and Distribution	2 Yr																							
Bus. Admin. - Automotive Marketing	3 Yr																							
Bus. Admin. - Human Resources Management	3 Yr	E	C			F			E	E		C	E		E		E	E	E	E		E	E	E
Bus. Admin. - Information Systems	3 Yr	E			E								E				E			C				
Bus. Admin. - Prod. and Operations Mtg	3 Yr				E															E				
Bus. Admin. - Small Business Management	3 Yr			E	E						E									E		E		
Business	2 Yr	E	E	C	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	
Business - Accounting	2 Yr	E		E		F		E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	
Business - Advertising	2 Yr				E	F			E	E	E									E				
Business - Finance	2 Yr				E	F		E	E	E	E		E		E	E				E				
Business - Human Resources	2 Yr	E			E	F		E	E	E	E	E	E		E	E	E		E	E		E	E	E
Business - Information Systems	2 Yr	E				F																		
Business - Marketing	2 Yr			E						E	E		E		E	E	E		E	E		E	E	E
Business - Materials Management	2 Yr																							
Business - Office Systems	2 Yr	E	C	C	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Business - Purchasing	2 Yr		C	E	E	F	E		E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Business - Retailing	2 Yr		B	E	E	F	E		E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Business - Sales	2 Yr																							
Business - Transportation and Distribution	2 Yr	E		E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Business Administration	3 Yr	E	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Business Administration - Accounting	3 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Business Administration - Finance	3 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Business Administration - Marketing	3 Yr	E	B	E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Carpentry and Millwork - Heritage	2 Yr																							
Cartographic Technician	2 Yr	E		E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Ceramics	2 Yr	E		E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Chef Training	1 Yr																							
Chemical Engineering Technician	2 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Chemical Engineering Technology	3 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Child and Youth Worker	3 Yr																							
Chiropody	3 Yr																							
Civil Aviation - Air Traffic Services	2 Yr	E	A	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Civil Engineering Technician	3 Yr	E	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Civil Engineering Technology	P D																							
Clinical Methods in Orthotics/Prosthetics	2 Yr																							
Coaching Techniques	2 Yr																							
College Opportunities	2 Yr		A	E	E													E						
College Vocational																								

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																							
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
College Vocational	3 Yr																					E		
College Vocational	1 Yr							E					E		E		E							
Commercial Art	2 Yr															E			E					
Communicative Disorders Assistant	P D											E												
Community Gerontology	2 Yr							E																
Community Integration Through Coop Educ.	2 Yr												E											
Community Planning	2 Yr															E								
Community Worker	2 Yr										E												E	
Computer Animation	P D							E															E	
Computer Applications for Exceptionalities	P D																						E	
Computer Graphics	P D																							
Computer Operator	1 Yr	E				F																		
Computer Programmer	2 Yr	E			E	F				E	E		E	E			E		E		E	E		
Computer Programmer Analyst	3 Yr			E			E	E				E				E						E	E	
Computer Systems Technician	2 Yr	E			E	F							E									E	E	
Computer Systems Technology	3 Yr				E																		E	
Construction Carpentry Techniques	1 Yr									E														
Construction Engineering Technology	3 Yr		E																	E			E	E
Correctional Worker	2 Yr	E	C		E	F														E	E	E	E	
Cosmetic Sales	1 Yr												E									E	E	
Cosmetic Techniques	2 Yr																						E	
Courseware Design and Production	P D										E													
Court Reporting - Machine Shorthand	3 Yr										E													
Court Reporting - Stenomask	1 Yr																							
Crafts and Design	3 Yr																							
Creative Advertising	2 Yr																					E		
Culinary Arts - Italian	P D										E													
Culinary Management	2 Yr			C				E			E	E	E											
Day Care Assistant	1 Yr										E						E							
Dental Assistant	1 Yr	E	A	C		F		E	E	E	E	E							E			E		
Dental Hygiene	2 Yr	E	C	E		F		E		E	E	E							E					
Dental Hygiene - Expanded Duties	3 Yr										E													
Dental Technology	3 Yr										E													
Denture Therapy	3 Yr										E													
Design - Urban	3 Yr									E		E												
Design Arts - Creative Arts	3 Yr											E												
Design Arts - Industrial	3 Yr									E		E												
Design Arts - Industrial Design	2 Yr											E											E	
Dev. Care for the Mentally Retarded	P D																							

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																						
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Developmental Services Worker	2 Yr	E	C		E	F		E		E		E	E		E			C	E	E	E			
Drafting Technician	2 Yr	E		E						E	E	E		E										
Early Childhood Education	2 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	C	C	E	E	E	E	E	E
Early Childhood Education-Special Needs	P D												E											
Educational Assistant	2 Yr																						E	E
Educational Resources and Special Needs	2 Yr																E							
Electrical Engineering Technology	3 Yr									E														
Electronics Engineering - Biomedical	P D									E														
Electronics Engineering Technician	2 Yr	E	C	E	E	F	E	E	E	E	E	E	E		E	E	E	C	E	E	E	E	E	E
Electronics Engineering Technology	3 Yr	E	C		E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Electronics Servicing Techniques	1 Yr							E																
Electronics Technician - General Servicing	2 Yr									E														
Employment Counsellor	3 Yr																							E
Environmental Pest Management	2 Yr																							E
Equine Studies	2 Yr												E			E						E		
Equine Studies-Horse Care and Equine Skills	1 Yr												E									E		
Esthetician	2 Yr																						E	
Family Violence - Counsellor and Advocate	2 Yr										E													
Farm Business Management	2 Yr									E														
Fashion Arts	3 Yr									E										E		E		
Fashion Arts - Modelling and Fashion	2 Yr												E											
Fashion Merchandising	2 Yr				E							E					E					E		E
Fashion Merchandising	3 Yr		E																	E		E		
Fashion Sales and Modelling	1 Yr																						E	
Fashion Technique and Design	2 Yr										E												E	
Film and Television Production	3 Yr												E											
Film Production	2 Yr							E																
Fine Art	3 Yr		E							E														
Fine Arts and Crafts	2 Yr											E						E						
Fire Protection Technician	2 Yr	E																				E		
Fire Protection Technology	3 Yr																					E		
Fish and Wildlife Technician	2 Yr																							E
Fish and Wildlife Technology	3 Yr																				E			E
Fitness Instructor	2 Yr									E	E													
Flight Instructor Training	1 Yr																					E		
Flight Services	1 Yr																					E		
Food and Beverage Management	2 Yr						E		E		E					E			E					E
Food Engineering Technology - Processing	3 Yr								E															
Food Industry Technician	2 Yr												E											

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																							
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MONA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Food Service Supervisor	P D										E													
Food Service Supervisor	2 Yr			E	E																			E
Forest Management Technology	3 Yr																				E			
Forest Recreation Technician	2 Yr																							E
Forestry Technician	2 Yr	E				F															E			E
Forestry Technology	3 Yr																							E
Funeral Service Education	2 Yr												E											
Furniture Products Techniques	1 Yr																		E					
Furniture Technician	2 Yr										E								E					
Gemology	1 Yr										E													
General Arts and Science	2 Yr	E	C	E	E	F	E	E	E	E	E	E	E	E	E	E	E		E	C	E	E	E	E
General Arts and Science - Advanced	3 Yr														E									
General Vocational Preparation	1 Yr							E										E						
Geological Engineering Technician	2 Yr		E																		E			E
Geological Engineering Technology	3 Yr		E																					E
Geoscience Environmental Technology	2 Yr																							E
Government Administration	2 Yr																					E		E
Graphic Arts Reproduction - Prod. Co-ord.	3 Yr															E								
Graphic Design	3 Yr						E		E	E	E	E								E	E	E	E	
Graphic Design	2 Yr	E		E		F			E			E	E									E		
Graphic Design Fundamentals	P D													E										
Graphic Sign Design and Production	2 Yr										E													
Health Office Administration										E														
Health Records Administration	2 Yr	E									E						E							
Health Records Technician	1 Yr	E								E	E													
Heavy Equipment Specialist	P D																							E
Heavy Equipment Technician - Construction	2 Yr																						E	
Horticultural Technician	2 Yr																E							
Hospitality Administration and Services	3 Yr				E																			
Hotel and Restaurant Administration	3 Yr											E	E		E		E							
Hotel and Restaurant Management	2 Yr	E	A	C		F		E		E	E	E	E	E						E	E		E	
Human Relations	2 Yr																E							
Human Resources Management	P D												E									E		
Human Services Administration	2 Yr																						E	
Human Services Counsellor	2 Yr										E							E						
Industrial Design	3 Yr												E											
Industrial Eng. Technology - Management	3 Yr								E				E			E								
Industrial Engineering Technician	2 Yr											E				E	E							E
Industrial Engineering Technology	3 Yr	E			E				E										E					

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																								
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Industrial Mechanical Techniques	1 Yr							E																
Industrial Relations	3 Yr							E																
Infant and Toddler Care	P D													E										
Instrumentation Eng. Techn. - Industrial	2 Yr	E																						
Instrumentation Engineering Technician	2 Yr							E			E		E	E		E		E		E				
Instrumentation Engineering Techniques	1 Yr													E										
Instrumentation Engineering Technology	3 Yr		E	E							E			E						E				
Insurance	2 Yr										E					E								
Interior Design	2 Yr				E							E							E					
Interior Design	3 Yr	E				F		E	E	E		E	E				E						E	E
International Business	3 Yr																					E		
International Business Management	P D																					E		
International Health Service	P D																					E		
International Traffic and Customs Admin.	3 Yr																					E		
International Traffic and Customs Assistant	2 Yr																					E		
Investment Sales Assistant	1 Yr										E													
Jewellery Arts	3 Yr										E	E												
Jewellery Repairs	3 Yr										E													
Journalism - Print and Broadcasting	2 Yr	E	E	E	E	F			E	E					E	E	E						E	
Journalism - Print and Broadcasting	3 Yr				E		E						E						E					
Laboratory Assistant - Industrial	1 Yr				E														E					
Landscape Technician	2 Yr	E				F							E						E					
Landscape Techniques	1 Yr																		E					
Landscape Technology	3 Yr									E			E											
Law and Security Administration	2 Yr	E	C	E		F	E	E	E	E		E	E	E	E	E	E		E	E	E	E	E	E
Legal Administration	3 Yr								E															
Legal Assistant	2 Yr	E	E	E	E	F				E			E			E	E		E	E		E		E
Legal Technician - Civil	2 Yr		E																					
Library Technician	2 Yr	E				F				E												E	E	
Machine Shop	1 Yr																		E		E			
Manufacturing Engineering Technology	3 Yr																							E
Manufacturing Technician - Wood Products	2 Yr						E																	
Marina Technology	3 Yr											E												
Marine Engineering Technology	3 Yr											E								E				
Marine Technology - Navigation	3 Yr											E												
Marketing Management	P D												E											
Materials Management	3 Yr	E					E																	E
Materials Testing Technician	2 Yr															E								
Mech. Eng. Technician - Machining	2 Yr	E		E	E	F					E		E						E		E			E

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																							
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Mech. Techn - Numerical Control Machining	3 Yr										E													
Mechanical Engineering Technician	2 Yr	E		E	E		E	E	E	E	E		E	E	E	E		E	E		E	E	E	E
Mechanical Engineering Technology	3 Yr	E			E	F	E		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Media Arts	2 Yr																						E	
Medical Diagnostic - Ultrasonography	P D															E								
Medical Laboratory Technology	3 Yr	E	E	E		F				E				E		E			E	E				
Medical Transcriptionist - Health Records	1 Yr	E														E	E					E		
Microcomputer Management	2 Yr		F	E									E										E	
Mining and Mineral Processing	1 Yr		E																					
Mining Engineering Technician	2 Yr		E															E						
Mining Engineering Technology	3 Yr		E															E						
Motive Power Technician	2 Yr				E					E									E					E
Motive Power Techniques - Heavy Equipment	1 Yr							E													E			
Motive Power Technqs-Small Powered Equip.	1 Yr							E																
Museum Technology	3 Yr	E																						
Music	3 Yr		E										E			E								
Music Industry Arts	2 Yr									E														
Music Theatre - Performance	3 Yr																						E	
Native Child and Family Worker	3 Yr		E					E																
Native Community Care Counselling & Dev.	2 Yr		E													E					E			
Native Counsellor	1 Yr																	E						
Native Education - Business and Tourism	2 Yr											E												
Native Recreation Worker	1 Yr																	E						
Natural Resources Techny - Law Enforcement	P D																							E
Nursing	3 Yr	E	C	C	E	F	E	E	E	E	E	E	E	E	E	E	E	C	E	E	E	E	E	E
Nursing Assistant	1 Yr	E	B	E	E	F	E		E			E	E	E	E		E	C	E	E	E		E	E
Occupational Therapy	3 Yr															E								
Office Admin. Certificate - Executive	1 Yr				E			E																
Office Admin. Certificate - General	1 Yr	E	E	C	E	F				E	E	E		E	E		E	C	E	E			E	
Office Admin. Certificate - Legal	1 Yr				E			E				E												
Office Admin. Certificate - Medical	1 Yr				E			E				E												
Office Admin. Certificate - Word Processing	1 Yr	E																						
Office Admin. Diploma - Executive	2 Yr	E	C	C	E		E		E	E	E		E	E	E	E	E	C	E	C	E	C	E	E
Office Admin. Diploma - Information Systems	2 Yr										E												E	
Office Admin. Diploma - Legal	2 Yr	E	B		E				E	E	E	E	E		E	E				E	E	E	E	E
Office Admin. Diploma - Medical	2 Yr	E	C	E	E				E	E	E	E	E	E	E	E		E	E	E		E	E	E
Office Admin. Diploma - Word Processing	2 Yr			E					E				E						E			E		
Office Systems Administration	3 Yr		E		E		E		E				E		E									E
Ophthalmic Dispenser	2 Yr											E												

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																							
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Orthotic/Prosthetic Technician	2 Yr										E													
Packaging Design	3 Yr												E											
Packaging Management and Technology	3 Yr															E								
Parks and Forest Recreation Technology	3 Yr																				E			E
Parts Management and Merchandising	1 Yr									E														
Performing Arts - Administration	2 Yr							E																E
Pharmacy Assistant	1 Yr	E	E										E						E					
Photography	2 Yr	E				F		E		E			E										E	
Photography - Advanced	3 Yr									E														
Photojournalism	2 Yr														E									
Physical Distribution	2 Yr										E													
Physical Fitness Management	3 Yr		E																					
Physiotherapy	3 Yr															E								
Piano Technician	2 Yr										E													
Pre-Health Science	1 Yr									E														
Pre-Health Science	1 Yr										E													
Printing Technician	2 Yr	E				F					E													
Printing Technology	3 Yr						E				E													
Property Management	2 Yr										E											E		
Protective Security	1 Yr	E																						
Public Relations	2 Yr	E																						
Public Relations	3 Yr								E				E											
Public Relations	P D												E									E		
Radiography	2 Yr		C					E		E						E						E		
Records and Information Management	2 Yr																					E		
Recreation for Special Populations	P D	E										E												
Recreation Leadership	2 Yr	E		E	E	F	E	E	E	E			E		E	E						E		E
Recreation - Parks Operation and Services	2 Yr													E								E		
Recreation Resources Management	P D												E									E		
Recreational Merchandising	2 Yr																							E
Reg. Nursing Assistant-Psychiatric Nursing	P D																			E				
Registered Nurse Assistant - Operating Room	P D												E											
Registered Nurse - Critical Care Nursing	P D										E													
Registered Nurse - Operating Room	P D										E													
Registered Nurse - Perinatal Nursing	P D										E													
Registered Nurse - Refresher	P D										E											E		
Regulatory Law Administration	P D																					E		
Rehabilitation Worker	2 Yr												E											
Residential Construction Management	2 Yr										E													

Appendix C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																						
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Resources Engineering Technician	2 Yr														E							E		
Resources Engineering Technology	3 Yr												E	E								E		
Resources Eng. Techny - Environmental	3 Yr																				E			
Resources Technician - Drilling	2 Yr																							E
Respiratory Therapy	3 Yr	E				F				E														
Retail Floriculture	2 Yr												E											
Retail Florist	1 Yr	E				F																E		
Retail Management	3 Yr								E															
Retailing	1 Yr																							E
Safety Engineering Technology	3 Yr												E											
Sales	1 Yr																				E			
Security Systems Implementation and Design	2 Yr							E											E				E	
Sign Language Communicator	2 Yr																		E				E	
Sign Language Interpreter	3 Yr																		E					
Ski Resort Operations and Management	2 Yr												E											
Small Business Management	1 Yr				E			E																
Small Business Management	2 Yr			E											E							E		
Small Business - Office Automation	1 Yr																							
Small Craft and Marina Technician	2 Yr												E											
Social Service Worker	2 Yr	E	C	E	E	F	E	E		E			E	E	E	E	E	C		E		E	E	E
Special Constable	1 Yr																	E						
Sports and Entertainment Administration	3 Yr								E															
Sports Equipment Specialist	1 Yr												E											
Sports Injury Management	2 Yr																						E	
Stationary Engineering	1 Yr							E																
Stationary Engineering	2 Yr										E			E		E	E		E					
Stationary Engineering Technology	3 Yr		E													E								
Survey Technician	2 Yr	E																B						
Survey Technology	3 Yr	E																						
Systems Analyst	P D																		E					
Teacher Aide	2 Yr							E													E			
Technical Writer	3 Yr	E																						
Telecommunications Management	P D																						E	
Terrain and Water Resources Technician	2 Yr																							E
Terrain Geology Technology	3 Yr																							E
Textile Technology Management	3 Yr															E								
Theatre Arts	3 Yr										E		E											
Theatre Arts - Production	2 Yr												E										E	
Tourism Management	3 Yr											E										E		E

APPENDIX C (Cont'd)

PROGRAMS	DURATION	INSTITUTIONS OFFERING PROGRAMS																						
		ALGO	CAMB	CANA	CENT	LACI	CONS	CONF	DURH	FANS	GRBR	GEOR	HUMB	LAMB	LOYT	MOHA	NIAG	NORT	STCL	SLAW	SAUL	SENE	SHER	SSFL
Translation Support Techniques	2 Yr	E																						
Travel and Tourism	2 Yr	E			E	F		E		E			E		E	E	C		E			E	E	E
Underwater Skills	1 Yr																					E		
Visual and Creative Arts - Fine Arts	2 Yr																			E				
Visual Merchandising Arts	2 Yr																					E	E	
Welding Engineering Technician	2 Yr						E				E							E						
Welding Engineering Technology	3 Yr																	E						
Welding Techniques	1 Yr							E			E													
Wellness and Lifestyle Management	P D				E																			

Codes in Table:
- E = English
- F = French
- B = Bilingual
- A = English & French
- C = English & bilingual
- PD = Postdiploma

Note:
- The programs listed under La Cité collegiale are the French-language programs that were transferred from Algonquin and St. Lawrence to La Cité collegiale.
- Since 1989-90, colleges may have cancelled some of their existing programs and/or introduced new programs. Readers are advised to contact the individual colleges for up-to-date information on their program offerings.
- See Appendix E for a list of abbreviations used in this table.

Appendix D

LIST OF CAREER-PLANNING AND PLACEMENT OFFICES

College	Telephone
Algonquin College 1385 Woodroffe Avenue Nepean, Ontario K2G 1V8	(613) 727-7679
Cambrian College 1400 Barrydowne Road Station "A" Sudbury, Ontario P3A 3V8	(705) 566-8101 Ext. 422
Canadore College P. O. Box 5001 100 College Drive North Bay, Ontario P1B 8K9	(705) 474-7600 Ext. 185
Centennial College P. O. Box 631, Station A 651 Warden Avenue Scarborough, Ontario M1K 5E9	(416) 439-7180 Ext. 2249
La Cité Collégiale 2465, boulevard Saint-Laurent Ottawa (Ontario) K1G 5H8	(613) 744-5050
Conestoga College 299 Doon Valley Drive Kitchener, Ontario N2G 4M4	(519) 748-5220 Ext. 219
Confederation College 1450 Nakina Drive P. O. Box 398 Thunder Bay, Ontario P7C 4W1	(807) 475-6113

College	Telephone
Durham College Box 385 2000 Simcoe St. N. Oshawa, Ontario L1H 7L7	(416) 576-0210 Ext. 340
Fanshawe College P. O. Box 4005 1460 Oxford Street East London, Ontario N5W 5H1	(519) 452-4294
George Brown College P. O. Box 1015, Station "B" 500 MacPherson Avenue M5T 2T9	(416) 867-2100
Georgian College 1 Georgian Drive Barrie, Ontario L4M 3X9	(705) 722-1581 1-800-461-9696
Humber College 205 Humber College Blvd. Etobicoke, Ontario M9W 5L7	(416) 675-5028
Lambton College 1457 London Road P. O. Box 969 Sarnia, Ontario N7T 7K4	(519) 542-7751 Ext. 313
Loyalist College P. O. Box 4200 Wallbridge Cres-Loyalist Road Belleville, Ontario K8N 5B9	(613) 962-9501 Ext. 240
Mohawk College Fennell Avenue & West 5th P. O. Box 2034 Hamilton, Ontario L8N 3T2	(416) 575-1212 Ext. 3152

College	Telephone
Niagara College P. O. Box 1005 Woodlawn Road Welland, Ontario L3B 5S2	(416) 735-2211 Ext. 787
Northern College Highway 101 P. O. Box 2002 South Porcupine, Ontario P0N 1H0	(705) 235-3211 Ext. 243
St. Clair College 2000 Talbot Road West Windsor, Ontario N9A 6S4	(519) 972-2712
St. Lawrence College 2288 Parkedale Avenue Brockville, Ontario K6V 5X3	(613) 345-0660
Sault College P. O. Box 60 443 Northern Avenue Sault Ste. Marie, Ontario P6A 5L3	(705) 759-6713
Seneca College 1750 Finch Avenue East North York, Ontario M2J 2X5	(416) 491-5050 Ext. 2066
Sheridan College 1430 Trafalgar Road Oakville, Ontario L6H 2L1	(416) 849-2822
Sir Sandford Fleming College Brealey Drive Peterborough, Ontario K9J 7B1	(705) 743-5610 Ext. 314

Appendix E

LIST OF ABBREVIATIONS

This section provides a list of abbreviations used in the tables presented in this report.

Admin.	Administration
Appl.	Applications
Asst.	Assistant
Bus.	Business
Co-ord.	Co-ordinator
Co-op.	Co-operative
Devel.	Development
Educ.	Education
Enforce.	Enforcement
Eng.	Engineering
Equip.	Equipment
Grads.	Graduates
Info.	Information
Intro	Introduction
Mech.	Mechanical
Mgt.	Management
Micro.	Microcomputer
Multidisc.	Multidiscipline
N.E.C.	Not Elsewhere Classified
Prod.	Production
Reg.	Registered
Reprod.	Reproduction
Retard.	Retarded
Spec.	Specialist
Techn.	Technician
Techqs.	Techniques
Techy.	Technology
Telecom.	Telecommunications

This section provides a list of college abbreviations.

ALGO	ALGONQUIN
CAMB	CAMBRIAN
CANA	CANADORE
CENT	CENTENNIAL
LACI	LA CITÉ
CONS	CONESTOGA
CONF	CONFEDERATION
DURH	DURHAM
FANS	FANSHAWE
GRBR	GEORGE BROWN
GEOR	GEORGIAN
HUMB	HUMBER
LAMB	LAMBTON
LOYT	LOYALIST
MOHA	MOHAWK
NIAG	NIAGARA
NORT	NORTHERN
STCL	ST. CLAIR
SLAW	ST. LAWRENCE
SAUL	SAULT
SENE	SENECA
SHER	SHERIDAN
SSFL	SIR SANDFORD FLEMING